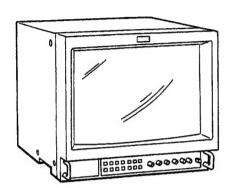
PVM-1350/1351Q/1354Q

SERVICE MANUAL



US Model Canadian Model

Chassis No. SCC-G61D-A

PVM-1351Q

Chassis No. SCC-G61C-A

PVM-1354Q

Chassis No. SCC-G61B-A

SPECIFICATIONS (PVM-1351Q/1354Q)

Video signal

Color system Resolution

PAL, SECAM, NTSC3.58, NTSC4.43 600 TV lines (PVM-1354Q) 450 TV lines (PVM-1351Q)

Aperture correction

0dB - +6.0dBLINE 9.0MHz (-3 dB)

Frequency response Synchronization

RGB 10.0 MHz (-3 dB) AFC time constant 1.0 msec.

Picture performance

Normal scan

7% over scan of CRT effective screen

Underscan

5% underscan of CRT effective screen

area

H. linearity V. linearity Less than 8.0% (typical) Less than 7.0% (typical)

Convergence

Central area: 0.6 mm (typical) Peripheral area:

0.8 mm (typical) H: 1.0%, V: 1.5% Raster size stability

High voltage regulation

CRT

SMPTE-C phosphor (PVM-1354Q)

P22 phosphor (PVM-1351Q)

Color temperature

6,500K/9,300K (+8MPCD), selectable

USER (3200K-10000K, factory setting

is 6500K)

Inputs and Outputs

Inputs

Y/C IN: 4-pin mini DIN connector (See the pin assignment on the next

1Vp-p ±6dB, sync negative AUDIO IN: phono jack, –5dBs, more

than 47k ohms

R/R-Y, G/Y, B/B-Y IN: BNC

connector

R, G, B channels: 0.7 Vp-p, ±6dB Sync on green: 0.3 Vp-p, negative, 75

ohms terminated

R-Y, B-Y channels: 0.7 Vp-p, ±6 dB Y channel: 0.7 Vp-p, ±6dB (Standard color bar signal of 75% chrominance)

EXT SYNC IN: BNC connector

Composite sync 4 Vp-p, ±6 dB,

negative

Loop-through outputs

Y/C OUT: 4-pin mini DINconnector

VIDEO OUT: BNC connecor, 75

ohms terminated

AUDIO OUT: phono jack R/R-Y, G/Y, B/B-Y OUT: BNC connector, 75 ohms terminated EXT SYNC OUT: BNC cornector, 75

ohms terminated

Remote input Speaker output REMOTE: 20-pin connector (See the pin assignment on the next page.)

Output level 0.8 W

- Continuedan page 2 -







TRINITRON® COLOR VIDEO MONITOR SONY

General

Power consumption

Approx. 99 Wh (incl. SDI) Approx. 90 Wh (without. SDI) 120 V AC, 50/60 Hz

Power requirements

Operating temperature range 0 –35 °C

Storage temperature range -10 - +40 °C

Humidity **Dimensions** 0 - 90%

0-90%
Approx. 346 × 340 × 411.5 mm
(w/h/d)
(13 ⁵/₈ × 13 ¹/₂ × 16 ¹/₄ inches)
not incl. projecting parts and controls
Approx. 16.7 kg (36 lb 14 oz).
AC power cord (1)
AC plug holder (1)
Tally label (1)
Cable with a 20-pin connector (1)

Mass Accessory supplied

Cable with a 20-pin connector (1)

Pin assignment

Y/C IN connector (4-pin mini DIN)



Pin No.	Signal	Description
1	Y-input	1 Vp-p, sync negative, 75 ohms
2	CHROMA sub- carrier-input	300 mVp-p, burst Delay time between Y and C: within 0±100 nsec., 75 ohms
3	GND for Y-input	GND
4	GND for CHROMA-input	GND

REMOTE connector (20-pin)



Pin No.	Signal	Wire color	
1	Blue only	Brown	
2	H/V DELAY	Red	
3	MAIN/SUB*	Orange	
4	EXT SYNC	Yellow	
5	DEGAUSS	Green	
6	R ch ON/OFF*	Blue	
7	TALLY	Purple	
8	LINE B	Grey	
9	GND	White	
10	GND	Black	
11	GND	Pink	
12	GND	Light Blue	
13	LINE A	Spiral Orange	
14	LINE/RGB	Spiral Yellow	
15	GND	Spiral Green	
16	L ch ON/OFF*	Spiral Blue	
17	REMOTE	Spiral Purple	
18	LINEC	Spiral Grey	
19	UNDERSCAN	Spiral Pink	
20	16:9	Spiral Light Blue	

^{(*} For digital audio control)

SPECIFICATIONS (PVM-1350)

Video signal

Color system Resolution

NTSC

Aperture correction Frequency response 450 TV lines 0 dB - +6.0 dB LINE 9.0 MHz (-3 dB) RGB 10.0 MHz (-3 dB)

Synchronization

AFC time constant 1.0 msec.

Picture performance

Normal scan

7% over scan of CRT effective screen

H. linearity V. linearity

Less than 8.0% (typical) Less than 7.0% (typical) H: 1.0%, V: 1.5%

Raster size stability

High voltage regulation

P22 phosphor

Color temperature

6,500K

Inputs and Outputs

Inputs

Y/C IN: 4-pin mini DIN connector (See the pin assignment below.) VIDEO IN: BNC connector

1Vp-p ±6 dB, sync negative AUDIO IN: phono jack, –5 dBs, more than 47k ohms

R, G, B IN: BNC connector 0.7 Vp-p, ±6 dB

Sync on green: 0.3 Vp-p, negative, 75 ohms terminated

RGB SYNC IN: BNC connector Composite sync 4 Vp-p, ±6 dB,

negative

Loop-through outputs Y/C OUT: 4-pin mini DIN connector VIDEO OUT: BNC connector,

75 ohms terminated AUDIO OUT: phono jack

Speaker output

Output level 0.8 W

General

Power consumption Power requirements

Approx. 90 Wh 120 V AC, 50/60 Hz

Operating temperature range 0 - 35 °C

Storage temperature range -10 - +40 °C

Humidity

0 - 90%

Dimensions

Approx. $346 \times 340 \times 411.5 \text{ mm}$

(w/h/d)

 $(13^{5}/_{8} \times 13^{1}/_{2} \times 16^{1}/_{4} \text{ inches})$

not incl. projecting parts and controls Approx. 16.7 kg (36 lb 14 oz)

Mass

Accessory supplied

AC power cord (1) AC plug holder (1)

Pin assignment

Y/C IN connector (4-pin mini DIN)



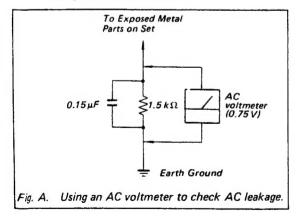
Pin No.	Signal	Description
1 Y-input		1 Vp-p, sync negative,
		75 ohms
2	CHROMA sub-	300 mVp-p, burst
	carrier-input	Delay time between Y and C:
		within 0±100 nsec., 75 ohms
3	GND for Y-input	GND
4	GND for	GND
	CHROMA-input	

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT (US Model Only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
- Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
- Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
- Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- Check the line cord for cracks and abrasion.
 Recommend the replacement of any such line cord to the customer.
- 7. Check the condition of the monopole antenna (if any).
 - Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
- Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.



LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

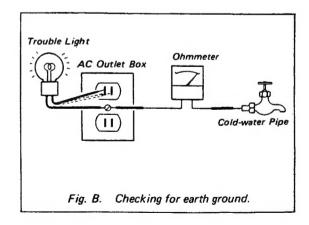


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(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAPTO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURTCIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTES UR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÀSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DÉPANNAGE.

LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDE Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS ÁLA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE À SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOS ANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNE MENT EST SUSPECTÉ.

SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remein as in the manual.

1-1. GENERAL OF PVM-1351Q/1354Q

Features

HR (High Resolution) Trinitron picture tube

HR Trinitron tube provides a high resolution picture. Horizontal resolution is more than 600 (PVM-1354Q/1954Q) or 450 (PVM-1351Q) TV lines at the center of the picture.

Four color systems available

The monitor can display PAL, SECAM, NTSC3.58 and NTSC4.43* signals. The appropriate color system is selected automatically.

* A signal of NTSC++++ is used for playing back NTSC recorded video cassettes with a video tape recorder/player especially designed for use with this system.

Blue only mode

In the blue only mode, an apparent monochrome display is obtained with all three cathodes driven with a blue signal. This facilitates color saturation and phase adjustments and observation of VCR noise.

Analog RGB/component input connectors

Analog RGB or component (Y, R-Y and B-Y) signals from video equipment can be input through these connectors.

Y/C input connectors

The video signal, split into the chrominance signal (C) and the luminance signal (Y), can be input through this connector, eliminating the interference between the two signals, which tends to occur in a composite video signal, assuring video quality.

Beam current feedback circuit

The built-in beam current feedback circuit assures stable white balance.

Comb filter

When NTSC video signals are received, a comb filter activates to increase the resolution, resulting in fine picture detail without color spill or color noise.

Automatic termination (connector with $\frak{1}{ ext{connect}}$ mark only)

The input connector is terminated at 75 ohms inside when no cable is connected to the loop-through output connectors. When a cable is connected to an output connector, the 75-ohms termination is automatically released.

Underscan mode

The signal normally scanned outside of the screen can be monitored in the underscan mode.

Note

When the monitor is in the underscan mode, the dark RGB scanning lines may appear on the top edge of the screen. These are caused by an internal test signal, rather than the input signal.

Horizontal/vertical delay mode

The horizontal and vertical sync signals can be checked simultaneously in the H/V delay mode.

External sync input

When the EXT SYNC selector is in the on position, the monitor can be operated on the sync signal supplied from an external sync generator.

Auto/manual degaussing

Degaussing of the screen can be performed automatically when the power is turned on, or manually by pressing the DEGAUSS button.

On-screen menus

You can set color temperature, CHROMA SET UP, and other settings by using the on-screen menus.

Five menu languages

You can select the menu language from among the five languages on the menu.

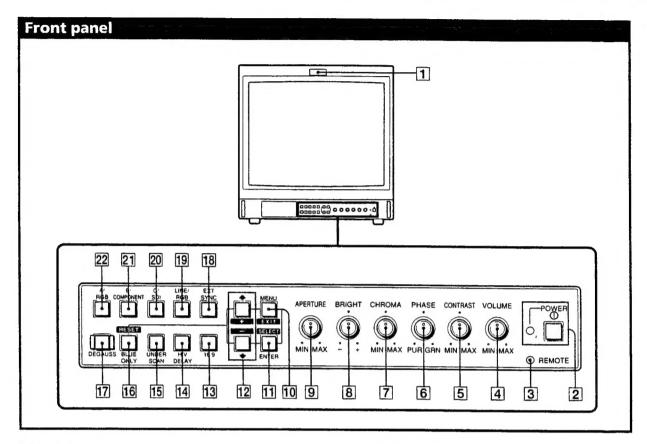
EIA standard 19-inch rack mounting

By using an MB-502B (for PVM-1354Q/1351Q) or SLR-103 (for PVM-1954Q) mounting bracket (not supplied), the monitor can be mounted in an EIA standard 19-inch rack. For details on mounting, see the instruction manual of the mounting bracket kit.

SDI (Serial Digital Interface) kit

By using SDI kit, the monitor can display SMPTE 259M 4:2:2 serial digital signal from a digital VTR. (ex. Sony 4:2:2 VTR) SDI kit: 4:2:2 digital video board Digital audio board

Location and function of parts and controls



1 Tally lamp

Lights up when the video camera connected to this monitor is selected, indicating that the picture is being recorded.

2 POWER switch and indicator

Depress to turn the monitor on. The indicator will light up in green.

3 REMOTE indicator

Lights up when you set USER PRESET to ON in the menu, or when you connect a supplied cable to REMOTE connector (No. 17 pin is ground). The controls on the front panel do not work when this indicator lights up.

4 VOLUME control

Turn this control clockwise or counterclockwise to obtain the desired volume.

5 CONTRAST control

Turn clockwise to make the contrast higher and counterclockwise to make it lower.

6 PHASE control

This control is effective only for the NTSC3.58 and NTSC4.43 color systems. Turn clockwise to make the skin tones greenish and counterclockwise to make them purplish.

7 CHROMA control

Turn clockwise to make the color intensity higher and counterclockwise to make it lower.

8 BRIGHT (brightness) control

Turn clockwise for more brightness and counterclockwise for less.

9 APERTURE control

Turn clockwise for more sharpness and counterclockwise for less.

Note

The APERTURE, CHROMA, PHASE control settings have no effect on the pictures of RGB signals.

10 MENU (EXIT) button

Press to make the menu appear. Press to return to $\hbar e$ previous screen in the menu.

11 ENTER (SELECT) button

Press to decide a selected item in the menu.

12 **↑** (+)/ **↓** (-) buttons

Press to move the cursor (>) or adjust selected value in the menu.

2



13 16:9 selector

Press (light on) for the signal of 16:9 picture.

14 H/V DELAY selector

Press (light on) to observe the horizontal and vertical sync signals at the same time.

The horizontal sync signal is displayed in the left quarter of the screen; the vertical sync signal is displayed near the center of the screen.

15 UNDER SCAN selector

Press (light on) for underscanning. The display size is reduced by approximately 5% so that four corners of the raster are visible.

16 BLUE ONLY selector RESET button

Press (light on) to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase*" control adjustments and observation of VCR noise.

 "Phase" control adjustment is effective only for the NTSC signals.

Press to reset the setting in the menu.

17 DEGAUSS button

Press this button momentarily. The screen will be demagnetized. Wait for 10 minutes or more before activating this button again.

18 EXT SYNC (external sync) selector

Keep this button in the off position (light off) to operate the monitor on the sync signal from the displayed video signal.

Keep this button in the on position (light on) to operate the monitor on an external sync signal fed through the EXT SYNC connector on the rear panel.

19 LINE/RGB input selector

Select the program to be monitored. Keep this button in the off position (light off) to feed a signal through the LINE A, LINE B or LINE C connectors. Keep this button in the on position (light on) to feed a signal through the RGB connectors.

20 C/SDI selector

When the LINE/RGB input selector is set to LINE (light off), press this button (light on) to feed a signal through the LINE C connectors.

When the LINE/RGB input selector is set to RGB (light on), press this button (light on) to feed the SDI signal (optional board is needed).

21 B/COMPONENT selector

When the LINE/RGB input selector is set to LINE (light off), press this button (light on) to feed a signal through the LINE B connectors.

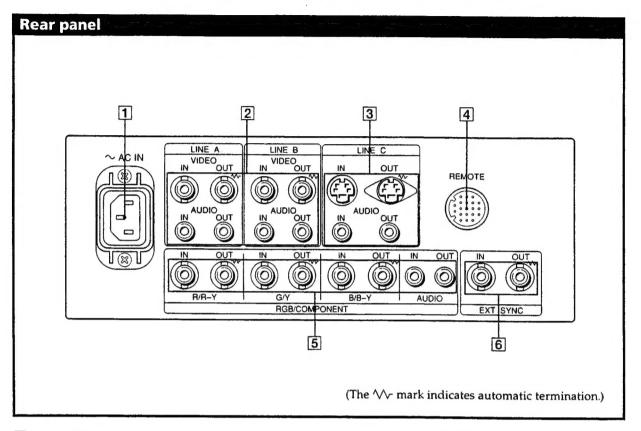
When the LINE/RGB input selector is set to RGB (light on), press this button (light on) to feed the component signal.

22 A/RGB selector

When the LINE/RGB input selector is set to LINE (light off), press this button (light on) to feed a signal through the LINE A connectors.

When the LINE/RGB input selector is set to RGB (light on), press this button (light on) to feed the RGB signal.

Location and function of parts and controls



1 AC IN socket

Connect the supplied AC power cord to this socket and to a wall outlet.

2 LINE A, LINE B connectors

Two groups (A and B) of line input connectors for the composite video and audio signals and their loop-through output connectors.

To monitor the input signal fed through these connectors, keep the LINE/RGB selector in the LINE position (light off) and press the A/RGB or B/COMPONENT selector (light on) on the front panel.

VIDEO IN (BNC)

Connect to the video output of a video equipment, such as a VCR or a color video camera. For a loop-through connection, connect to the video output of another monitor.

VIDEO OUT (BNC)

Loop-through output of the VIDEO IN connector. Connect to the video input for a VCR or another monitor.

When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the VIDEO IN connector is output from this connector.

AUDIO IN (phono jack)

Connect to the audio output of a VCR or to a microphone via a suitable microphone amplifier. For a loop-through connection, connect to the audio output of another monitor.

AUDIO OUT (phono jack)

Loop-through output of the AUDIO IN jack. Connect to the audio input of a VCR or another monitor.

3 LINE C connectors

Y/C IN (4pin mini DIN)

Connect to the Y/C separate output of a video camera, VCR or other video equipment.

Y/C OUT (4pin mini DIN)

Loop-through output of the Y/C IN connector. Connect to the Y/C separate input of a VCR or another monitor. When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the Y/C IN connector is output from this connector.

AUDIO IN (phono jack)

Connect to the audio output of a VCR or a microphone (through a suitable microphone amplifier).

AUDIO OUT (phono jack)

Loop-through output of the AUDIO IN connector.

Connect to the audio input of a VCR or another monitor.

4 REMOTE connector (20pin)

Connect to the tally output of a control console, special-effect generator, etc. The tally lamp on the front pane 1 will be turned on and off by the connected equipment. This connector can be used for connecting a remote controller. For the pin assignment of this connector, see "Specifications" on page 10.

5 RGB/COMPONENT connectors

RGB signal or component signal input connectors and their loop-through output connectors.

To monitor the input signal fed through these connectors, keep the LINE/RGB selector in the RGB position (light on), and press the A/RGB or B/COMPONENT selector (light on) on the front panel.

R/R-Y IN, G/Y IN, B/B-Y IN (BNC)

When the EXT SYNC selector on the front panel is in the off position (light off), the monitor operates on the sync signal from the G/Y channel.

To monitor the RGB signal

Connect to the analog RGB signal outputs of a video camera.

To monitor the component signal

Connect to the R-Y/Y/B-Y component signal outputs of a Sony Betacam video camera.

R/R-Y OUT, G/Y OUT, B/B-Y OUT (BNC)

Loop-through outputs of the R/R-Y IN, G/Y IN, B/B-Y IN connectors

For RGB signal

Connect to the analog RGB signal inputs of a video printer or another monitor.

For component signal

Connect to the $R-Y/\overline{Y}/B-Y$ component signal inputs of a Betacam video recorder.

When the cables are connected to these connectors, the 75-ohms termination of the inputs is automatically released, and the signal inputs to the R/R-Y IN, G/Y IN, B/B-Y IN connectors are output from these connectors.

AUDIO IN (phono jack)

Connect to the audio output of video equipment when the analog RGB or component signal is input.

AUDIO OUT (phono jack)

Loop-through outputs of the AUDIO IN connector.

6 EXT SYNC (external sync) connectors

To use the sync signal fed through this connector, press the EXT SYNC selector (light on).

IN (BNC)

When this monitor operates on an external sync signal, connect the reference signal from a sync generator to this connector.

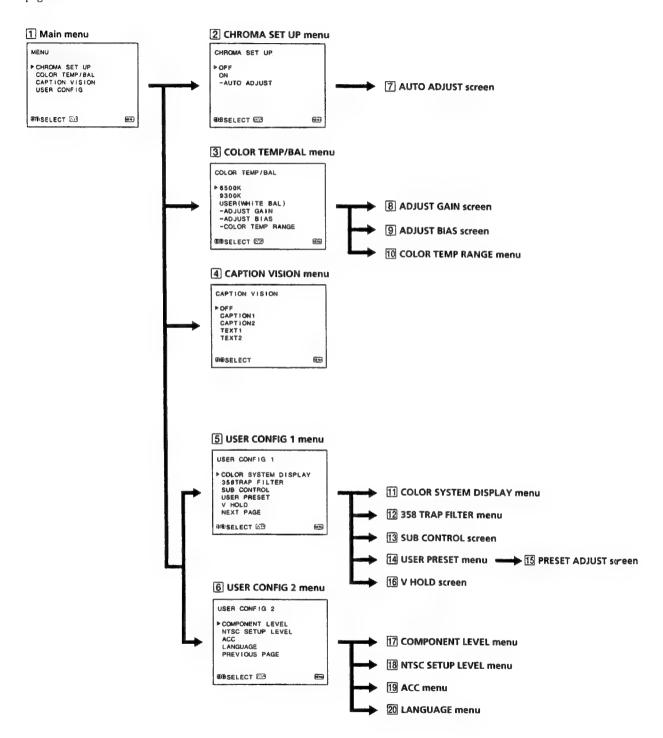
OUT (BNC)

Loop-through output of the EXT SYNC IN connector. Connect to the external sync input of video equipment to be synchronized with this monitor.

When the cable is connected to this connector, the 75-ohms termination of the input is released, and the signal input to the IN connector is output from this connector.

Using on-screen menus

The flow chart shows the different levels of on-screen menus that you can use to make various adjustments and settings. The boxed number is for instructions on the next page.



Operating through menus

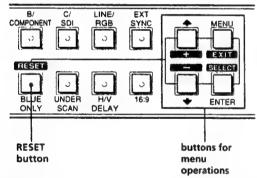
There are five buttons for menu operations on the front of the monitor. To display the main menu, first press MENU. The buttons you can use appear at the bottom of the menu screen.

Functions of the buttons

Button	To select menu item	To adjust menu item selected
MENU EXIT	return to the previous menu	return to the previous menu
ENTER SELECT	decide a selected item	select an item
†	move the cursor (►) upwards	increase selected value
1	move the cursor (►) downwards	decrease selected value
RESET		reset current adjustment value to the factory setting

(The above items in white type correspond to the marks in the menu.)

front of monitor



1 Main menu

Select an item and press ENTER to go to the following menu.

[2] CHROMA SET UP menu

Set to ON to adjust the internal decoder for CHROMA and PHASE (NTSC signal only) after AUTO ADJUST ([7]). [OFF]

3 COLOR TEMP/BAL menu

Select the color temperature from among 6500K, 9300K and USER. USER is set to 6500K in the factory setting. You can adjust or change the color temperature in USER mode (a measuring instrument is needed). [6500K]

4 CAPTION VISION menu

The monitor can display the signal with Caption Vision. To display it, select the caption type in this menu.

OFF

5 USER CONFIG 1 menu

Select an item to adjust. To go to the USER CONFIG 2 menu, select NEXT PAGE.

6 USER CONFIG 2 menu

Select an item to adjust. To go to the USER CONFIG 1 menu select PREVIOUS PAGE.

7 AUTO ADJUST screen

Select the color bar signal (full, SMPTE, EIA) and press ENTER to start auto adjusting for CHROMA SET UP (NTSC signal only).

8 ADJUST GAIN screen

Adjust GAIN in USER mode.

9 ADJUST BIAS screen

Adjust BIAS in USER mode.

10 COLOR TEMP RANGE menu

Select the color temperature range in USER mode. [5000K-10000K]

11 COLOR SYSTEM DISPLAY menu

Select the color system display mode. In AUTO, the kind of color system being used appears on the screen each time you change the signal input.

[AUTO]

12 358 TRAP FILTER menu

Color spill or color noise may be eliminated if you select ON (NTSC3.58 signal only). [OFF]

13 SUB CONTROL screen

You can finely adjust the controls on the front panel. CONTRAST, BRIGHT, CHROMA and PHASE control has a click at the center of its adjustment range. You can adjust the setting of the click position with this feature.

14 USER PRESET menu

You can preset each control to a desired level and set it. If you set USER PRESET to ON, the REMOTE indicator lights up and the controls on the front panel do not work. The monitor operates with the internal memory settings. For adjustment, select PRESET ADJUST. [OFF]

15 PRESET ADJUST screen

Adjust CONTRAST, BRIGHT, CHROMA, PHASE, VOLUME, APERTURE in USER PRESET.

16 V HOLD screen

Adjust the vertical hold if the picture rolls vertically. When you cannot read the display, select the input that is not connected.

17 COMPONENT LEVEL menu

Select the component level from among three modes. N10/SMPTE for 100/0/100/0 signal

BETA 7.5 for 100/7.5/75/7.5 signal BETA 0 for 100/0/75/0 signal

[BETA 7.5]

18 NTSC SETUP LEVEL menu

Select the NTSC setup level from two modes. The 7.5 setup level is mainly used in north America. The 0 setup level is mainly used in Japan. [7.5]

19 ACC menu

Set ACC (Auto Color Control) circuit on or off. When the fine adjustment is needed, set ACC to OFF. Normally set it to ON. [ON]

20 LANGUAGE menu

You can select the menu language from among the five languages (English, German, French, Italian, Spanish) on the menu.

[ENGLISH]

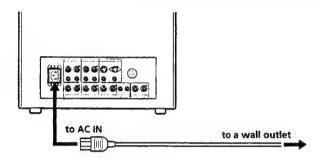
([] indicates the factory setting position.)

7

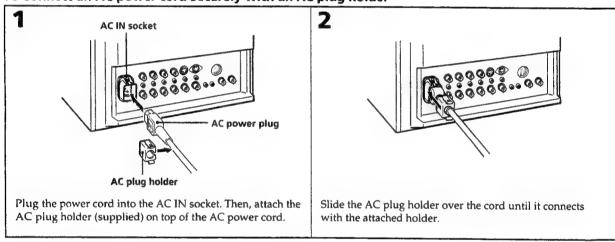
Power sources

House current.

Connect the AC power cord (supplied) to the AC IN socket and to a wall outlet.



To connect an AC power cord securely with an AC plug holder



To remove the AC power cord

Pull out AC plug holder by squeezing the left and right sides.

1-2. GENERAL OF PVM-1350

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remein as in the manual.

Features

Fine pitch Trinitron picture tube

The fine pitch Trinitron tube provides a high resolution picture. Horizontal resolution is more than 450 TV lines at the center of the picture.

Analog RGB input connectors

Analog RGB signals from video equipment can be input through these connectors.

Y/C input connectors

The video signal, split into the chrominance signal (C) and the luminance signal (Y), can be input through this connector, eliminating the interference between the two signals, which tends to occur in a composite video signal, assuring video quality.

Beam current feedback circuit

The built-in beam current feedback circuit assures stable white balance.

Comb filter

When NTSC video signals are received, a comb filter activates to increase the resolution, resulting in fine picture detail without color spill or color noise.

Automatic termination (connector with mark only)

The input connector is terminated at 75 ohms inside when no cable is connected to the loop-through output connectors. When a cable is connected to an output connector, the 75-ohms termination is automatically released.

Blue only mode

In the blue only mode, an apparent monochrome display is obtained with all three cathodes driven with a blue signal. This facilitates color saturation and phase adjustments and observation of VCR noise.

Auto/manual degaussing

Degaussing of the screen can be performed automatically when the power is turned on, or manually by pressing the DEGAUSS button.

On-screen menus

You can set CHROMA SET UP and other settings by using the on-screen menus.

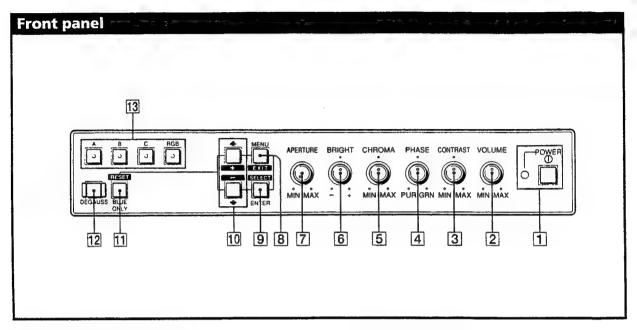
Five menu languages

You can select the menu language from among the five languages on the menu.

EIA standard 19-inch rack mounting

By using an MB-502B mounting bracket (not supplied), the monitor can be mounted in an EIA standard 19-inch rack. For details on mounting, see the instruction manual of the mounting bracket kit.

Location and function of parts and controls



1 POWER switch and indicator

Depress to turn the monitor on. The indicator will light up in green.

2 VOLUME control

Turn this control clockwise or counterclockwise to obtain the desired volume.

3 CONTRAST control

Turn clockwise to make the contrast higher and counterclockwise to make it lower.

4 PHASE control

Turn clockwise to make the skin tones greenish and counterclockwise to make them purplish.

5 CHROMA control

Turn clockwise to make the color intensity higher and counterclockwise to make it lower.

6 BRIGHT (brightness) control

Turn clockwise for more brightness and counterclockwise for less.

7 APERTURE control

Turn clockwise for more sharpness and counterclockwise for less.

Note

The APERTURE, CHROMA, PHASE control settings have no effect on the pictures of RGB signals.

8 MENU (EXIT) button

Press to make the menu appear. Press to return to the previous screen in the menu.

9 ENTER (SELECT) button

Press to decide a selected item in the menu.

10 **↑** (+)/ **↓** (-) buttons

Press to move the cursor (>) or adjust selected value in the menu.

11 BLUE ONLY selector RESET button

Press (light on) to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase" control adjustments and observation of VCR noise.

Press to reset the setting in the menu.

12 DEGAUSS button

Press this button momentarily. The screen will be demagnetized. Wait for 10 minutes or more before activating this button again.

13 input select buttons

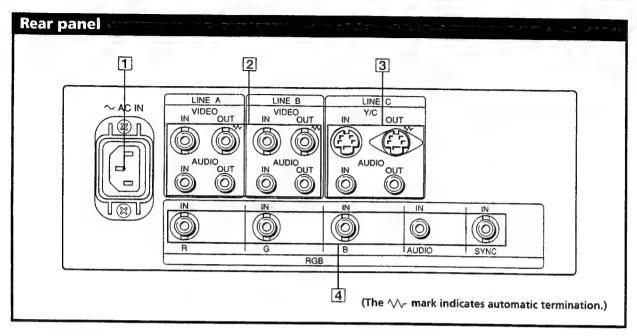
Press (light on) to select the program to be monitored.

A: for a signal fed through the LINE A connectors.

B: for a signal fed through the LINE B connectors.

C: for a signal fed through the LINE C connectors.

RGB: for a signal fed through the RGB connectors.



1 AC IN socket

Connect the supplied AC power cord to this socket and to a wall outlet.

2 LINE A, LINE B connectors

Two groups (A and B) of line input connectors for the composite video and audio signals and their loop-through output connectors.

To monitor the input signal fed through these connectors, press the A or B button (light on) on the front panel.

VIDEO IN (BNC)

Connect to the video output of video equipment, such as a VCR or a color video camera. For a loop-through connection, connect to the video output of another monitor.

VIDEO OUT (BNC)

Loop-through output of the VIDEO IN connector. Connect to the video input for a VCR or another monitor.

When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the VIDEO IN connector is output from this connector.

AUDIO IN (phono jack)

Connect to the audio output of a VCR or to a microphone via a suitable microphone amplifier. For a loop-through connection, connect to the audio output of another monitor.

AUDIO OUT (phono jack)

Loop-through output of the AUDIO IN jack. Connect to the audio input of a VCR or another monitor.

3 LINE C connectors

Y/C IN (4pin mini DIN)

Connect to the Y/C separate output of a video camera, VCR or other video equipment.

Y/C OUT (4pin mini DIN)

Loop-through output of the Y/C IN connector. Connect to the Y/C separate input of a VCR or another monitor. When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the Y/C IN connector is output from this connector.

AUDIO IN (phono jack)

Connect to the audio output of a VCR or a microphone (through a suitable microphone amplifier).

AUDIO OUT (phono jack)

Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.

4 RGB IN connectors

Connect to the analog RGB outputs of a video camera. To monitor the input signal fed through these connectors, press RGB button (light on) on the front panel.

R IN, G IN, B IN (BNC)

When you set RGB SYNC to SYNC ON G in the menu, the monitor operates on the sync signal from the G channel.

AUDIO IN (phono jack)

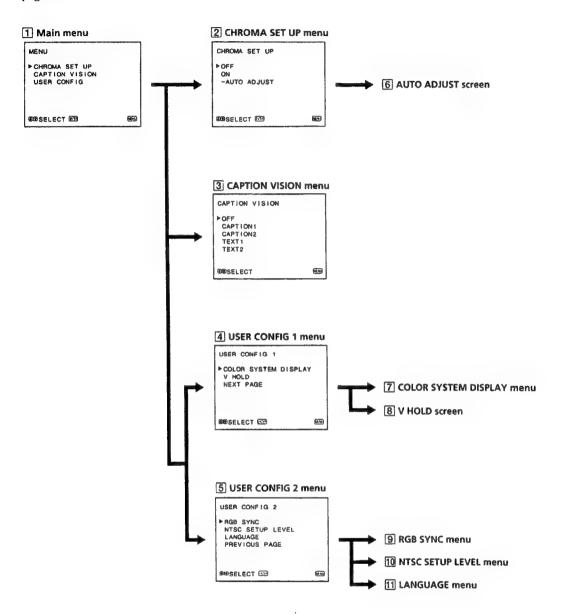
Connect to the audio output of video equipment when the analog RGB signal is input.

SYNC IN (BNC)

To use the sync signal fed through this connector, set RGB SYNC to EXT SYNC in the menu.

Using on-screen menus

The flow chart shows the different levels of on-screen menus that you can use to make various adjustments and settings. The boxed number is for instructions on the next page.



Operating through menus

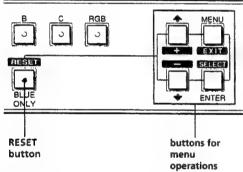
There are five buttons for menu operations on the front of the monitor. To display the main menu, first press MENU. The buttons you can use appear at the bottom of the menu screen

Functions of the buttons

Button	To select menu item	To adjust menu item selected
MENU EXIT	return to the previous menu	return to the previous menu
ENTER SELECT	decide a selected item	select an item
t +	move the cursor (►) upwards	increase selected value
ţ	move the cursor (►) downwards	decrease selected value
RESET		reset current adjustment value to the factory setting

(The above items in white type correspond to the marks in the menu.)

front of monitor



1 Main menu

Select an item and press ENTER to go to the following menu.

2 CHROMA SET UP menu

Set to ON to adjust the internal decoder for CHROMA and PHASE after AUTO ADJUST (6). [OFF]

3 CAPTION VISION menu

The monitor can display the signal with Caption Vision. To display it, select the caption type in this menu.

[OFF]

4 USER CONFIG 1 menu

Select an item to adjust. To go to the USER CONFIG 2 menu select NEXT PAGE.

5 USER CONFIG 2 menu

Select an item to adjust. To go to the USER CONFIG 1 menu select PREVIOUS PAGE.

6 AUTO ADJUST screen

Select the color bar signal (full, SMPTE, EIA) and press ENTER to start auto adjusting for CHROMA SET UP.

7 COLOR SYSTEM DISPLAY menu

Select the color system display mode. In AUTO, the kind of color system being used appears on the screen each time you change the signal input. [AUTO]

8 V HOLD screen

Adjust the vertical hold if the picture rolls vertically. When you cannot read the display, select the input that is not connected.

9 RGB SYNC menu

Select SYNC ON G to operate the monitor on the sync signal from the displayed green signal.

Select EXT SYNC to operate the monitor on an external sync signal fed through the RGB SYNC connector.

[SYNC ON G]

10 NTSC SETUP LEVEL menu

Select the NTSC setup level from two modes. The 7.5 setup level is mainly used in north America. The 0 setup level is mainly used in Japan. [7.5]

11 LANGUAGE menu

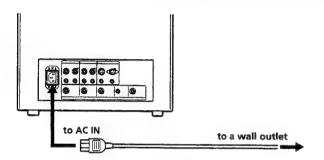
You can select the menu language from among the five languages (English, German, French, Italian, Spanish) on the menu. [ENGLISH]

([] indicates the factory setting position.)

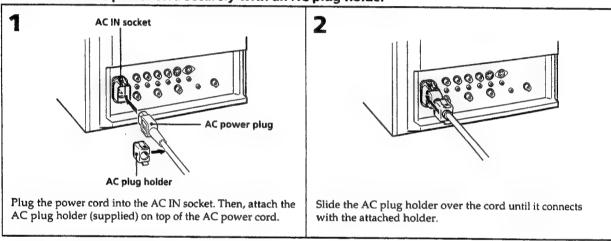
Power sources

House current

Connect the AC power cord (supplied) to the AC IN socket and to a wall outlet.



To connect an AC power cord securely with an AC plug holder

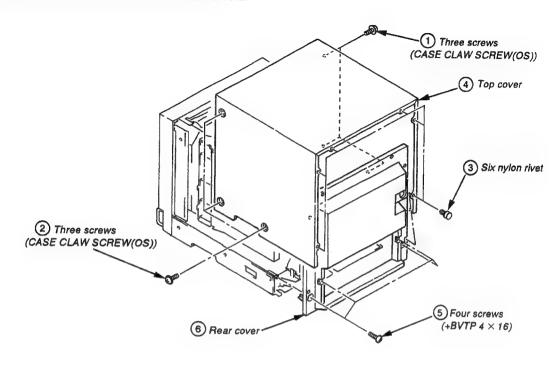


To remove the AC power cord

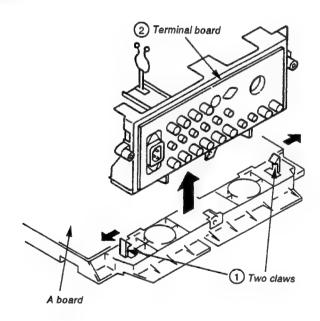
Pull out AC plug holder by squeezing the left and right sides.

SECTION 2 DISASSEMBLY

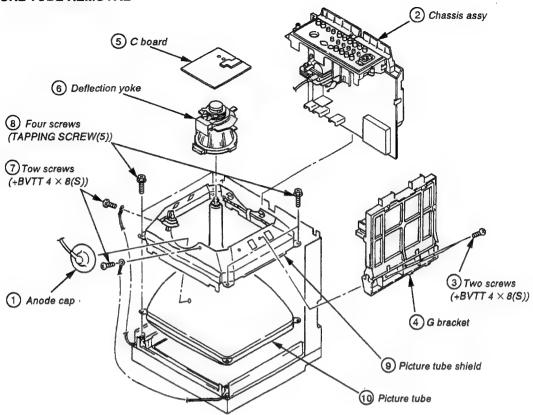
2-1. TOP COVER AND REAR COVER REMOVAL



2-2. TERMINAL BOARD REMOVAL



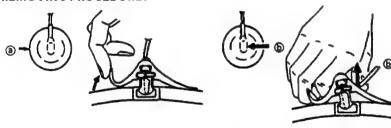
2-3. PICTURE TUBE REMOVAL



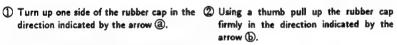
REMOVAL OF ANODE-CAP

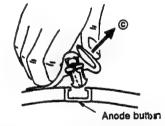
NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

REMOVING PROCEDURES



direction indicated by the arrow @.

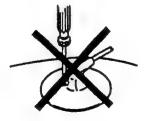


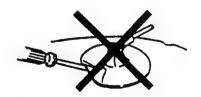


3 When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ©.

HOW TO HANDLE AN ANODE-CAP

- Don't hurt the surface of anode-caps with sharp shaped material!
- Don't press the rubber hardly not to hurt inside of anode-caps! A material fitting called as shatter-hook terminal is built in the rubber.
- Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3 SET-UP ADJUSTMENTS

3-1. PREPARATIONS (1)

Service Mode

This set is provided with a switch for service on the front panel that can be used to make various adjustments. The operation method of this switch is explained in detail below.

1. ENTERING THE SERVICE MODE

Simultaneously press the [ENTER] key and the [DEGAUSS] key shown on the display of the menu.

2. SERVICE MODE DISPLAY

(1)	(5)	(4)	(3)	(6)
(2)				

Range of Sevice Mode Display

- (1) The service items are largely classified into 16 types displayed by titles.
- (2) The names of the service items or READ / WRITE guidance, etc., are displayed. The names are dispalyed to the left and the guidance to the right.
- (3) This is the serial number for each of the service items. 1-120.
- (4) This is the adjustment data for the servise items that are now stored in the RAM. Adjustments can be made by changing these values, but as long as nothing is written to the ROM the adjustment values will be erased by turning off the power or by reading, so please be careful.
- (5) When the adjustment data than is now displayed is identical with the data in the ROM, the cursor (▷) is displayed.
- (6) The present status is displayed.
 - [*]: Writing to the ROM. Make sure not to turn off the power while this display is on.
 - [?]: ROM reading error. In this case, an image is output with the standard adjustment data that the microcomputer itself possesses.
 - [¿]: Problem in the I2C bus.

3. FINISHING THE SERVICE MODE

Simultaneously press the [ENTER] key and the [DEGAUSS] key shown on the display of the menu.

4. EASY ON / OFF OF THE SERVICE MODE

If once entering the service mode after having turned on the power, easy ON / OFF is possible by once more pressing the A, B or C switch on the front panel (the LED lights) as long as the power is not turned off or as long as the service mode is not finished.

5. CHANGE OF POSITION OF THE SERVICE MODE DISPLAY

If the switch is continuously pressed when turning on in the above easy mode, the display position moves in the V direction. This method is used when the display is outside of the effective screen area.

6. CHANGE OF SERVICE ITEMS

The items are returned with the [MENU] key and forwarded with the [ENTER] key. When a key is continuously pressed, the operation will be repeated.

7. CHANGE OF SERVICE DATA

The service data is made larger with the $[\uparrow]$ key and smaller with the $[\downarrow]$ key. When continuously pressing the keys, the operation will be repeated.

8. READING OF SERVICE DATA

When reading data from the ROM to the RAM, press the [B /D] key once and check than the READ display is shown in the guidance, and then press the [B / O] key once again. The adjustment data that is written will return to its previous state, so please be careful.

9. WRITING OF SERVICE DATA

When writing data from the RAM to the ROM, press the [DEGAUSS] key once and check that the WRITE display is shown in the guidance, and then press the [DEGAUSS] key once again. Not only the displayed data will be written, but all data, so please be careful.

10. CARRYING OUT FACTORY RESETTING

In case the adjustment data has been destroyed for some reason, and you keep pressing the $[B\ /\ O]$ key at the beginning of the above reading, the READ guidance will change to FACTRY RESET guidance in approximately 3 seconds so that the factory resetting can be carried out. By once again pressing the $[B\ /\ O]$ key after this, resetting will be carried out ([*] will be displayed as status) and factory resetting will be executed. However, in case the data available at the time of shipment from the factory has been destroyed, or if the ROM has been replaced, etc., or if factory setting mentioned later on has been carried out, factory resetting is executed.

11. CARRYING OUT FACTORY SETTING

Make sure to make possible the above factory resetting by making a copy of the adjustment data when replacing the ROM. If you keep pressing the [DEGAUSS] key at the beginning of the above writing, the WRITE guidance will change into FACTORY RESET guidance after approximately 3 seconds. By once again pressing the [DEGAUSS] key after this, setting will be carried out ([*]will be dispalyed as status) and the data will be copied. By carrying out this operation, the selection items of the menu and the adjustment values will be reset to the standard conditions, so please be careful. If this operation is carried out once, it cannot be carried out again, but the FACTORY SET FLAG (No. 120) in the service mode can be set to 1.

SERVICE DATA STANDARD

SERVICE MAP Ver 5 . x (1-120)

NO.		SERVICE ITEM	MAV	1.4"	20"	NO	1 6	PEDVICE ITEM		1	
		H FREQUENCY	MAX 255		107	61		SERVICE ITEM	MAX		20'
2	TOR SO DEL	VIDEO PHASE		141		62	C/11 ??00K	BIAS (RED)	1023		
3		V SIZE		165				BIAS (GREEN)	1023		
4		V CENTER				63		BIAS (BLUE)	1023		
	NOD 40 DEE	L		122		64		GAIN (RED)	1023		
	NOR 60 DEF	H FREQUENCY	255		112	65		GAIN (GREEN)	1023		
6		VIDEO PHASE		120		66		GAIN (BLUE)	1023		
7		V SIZE		157		67		B/O(RED)		120	
8	· · · · · · · · · · · · · · · · · · ·	V CENTER		128		68		B/O (GREEN)	255	125	12.
_	NOR DEF	H SIZE	255		102	69	C/T2??00K	3200K SW	1	0) (
10		PIN PHASE		108		70		BIAS (RED)	1023	263	26.
11		PIN AMP		112		71		BIAS (GREEN)	1023	512	51.
12		U/L PIN	255	126	155	72		BIAS (BLUE)	1023	459	459
13		SEXY	255	128	128	73		GAIN (RED)	1023		
14		V LINEARITY	255	132	82	74		GAIN (GREEN)	1023		_
15		V BOW	* 63	32	32	75		GAIN (BLUE)	1023	-	
16		V ANGLE	* 63	32	32	76		B/O(RED)	255		
17	U/SDEF	V SIZE (50)	_	124		77		B/O (GREEN)		105	
18		V SIZE (60)		116		78	W/B	SUB CON (4: 3, NORMAL)		_	210
19		H SIZE		115	89	79	, 2	SUB CON (4:3, H / V DELAY)			
20		PIN PHASE	_	118		80		SUB CON (16: 9, NORMAL)			122
21		PIN AMP	255	74	96	81				_	165
	16:9 NOR DEF	V SIZE (50)	255	81	89	82		SUB CON (16: 9, H / V DELAY)	255		
23	10.9 NOR DEF	V SIZE (60)	255		100	83		SUB BRIGHT	255		
24		PIN PHASE						USER B / O (RED)			120
			255	113	120	84	051150	USER B / O (GREEN)			125
25		PIN AMP	255	64	68	85	OTHER	OSD POSITION	$\overline{}$	_	129
26	14.0110.000	U/L PIN			_	86		V HOLD		-	128
	16:9 U/S DEF	V SIZE (50)	255	41	59	87		H BLANKING	255		
28		V SIZE (60)	255	35	55	88		V BLANKING (50)	255		
29		PIN PHASE	255			89		16:9 BLANKING START(50)	255		
30		PIN AMP	255	47	55	90		16:9 BLANKING END(50)	255	163	163
	COMPONENT			140		91		V BLANKING (60)	255	117	1117
32		SUB CHROMA (NORMAL)		104		92		16:9 BLANKING START(60)	255	40	40
33		SUB CHROMA (SMPTE)		168		93		16:9 BLANKING END(60)	255	215	215
34		R-Y LEVEL		155	155	94		H DELAY	255	165	165
	NTSC	BURST GATE PULSE WIDTH	255	22	22	95		V DELAY	255	101	101
36		CRYSTAL	255	51	51	96		HP POSITION	255	130	130
37		PHASE (NORMAL)		103		97		HP WIDTH (NORMAL)	255		
38		PHASE (ACC OFF)	255	112	112	98		HP WIDTH (H / V DELAY)	255	35	
39		B-Y PHASE	255	141	141	99	SYSTEM	SDI AUDIO	7		
40		CHROMA (NORMAL)	255	123	123	100		358TRAP FILTER	1		
41		CHROMA (ACC OFF)	255	20	20	101		ACC	1	_	
42		R-Y LEVEL	255	87	87	102		CAPTION VISION	7		
43	NTSC 443	CRYSTAL	255	65	65	103		COMPONENT LEVEL	3		
44		PHASE (NORMAL)	255	80		104		NTSC SETUP LEVEL	1		
45		PHASE (ACC OFF)	255	75		105		CHROMA SET UP	1		
46		B-Y PHASE				106		COLOR SYSTEM DISPLAY	3		
47		CHROMA (NORMAL)				107		COLOR TEMPERATURE	3		
48		CHROMA (ACC OFF)	255	87		108		USER PRESET	1		
49		R-Y LEVEL				109		LANGUAGE	7		
	PAL	PHASE (NORMAL)	255					RGB SYNC	1		_
51		PHASE (ACC OFF)	255			111		OPTION BOARD	7		
52	*	B-Y PHASE				112		AGING MODE	1		
53		CHROMA (NORMAL)		141				PAL-M			
54		CHROMA (ACC OFF)	255		_	114		MODEL	1	_	
55		R-Y LEVEL		_		114				* *	
	SECAM					116		COLOR TEMP DISP 1	127		
57	SECAIVI	CHROMA						COLOR TEMP DISP 2	127		
		R-Y LEVEL				117		REMOTE ADDRESS	127	╄—~	
58		COLOR BALANCE (R-Y)				118		RESERVED 1	1		
59	C/T1 ??00K	COLOR BALANCE (B-Y)	255			119		RESERVED 2	1		
	1 (1 1 '7')(M)V	3200K SW	1 1	0	1 0	120		FACTORY SET FLAG	1		

^{*} Among the data 8 bits (MAX255) only the upper 6 bits can be changed. ** PVM-1954Q, PVM-1350/1351Q/1354Q.

PREPARATIONS (2)

* When composite video or component signals are supplied, they must be supplied as below.

Signal		Signal Contents	Standard Level (Pedestal-White)
		100% WHITE	0.714V
		75% WHITE	0.536V
COMPOSITE VIDEO	358NT 443NT	BURST (GREEN) (This item only P-P)	286mV (632mV)
(75%COLOR BAR)		100% WHITE	0.7V
DA()	DAY	75% WHITE	0.525V
	PAL SECAM	PAL BURST (GREEN) (This item only P-P)	300mV (664mV)
		100% WHITE Y	0.7V
		75% WHITE Y	0.525V
COMPONENT (75%COLOR	BETA 0	75% COLOR B-Y, R-Y (This item only P-P)	0.7V
BAR)		100% WHITE Y	0.7V
		75% WHITE Y	0.525V
	SMPTE	75% COLOR B-Y, R-Y (This item only P-P)	0.525V

* In this document, terms inside boxes ____ are names of service mode adjustments.

Example 60H-FREQ

- * After making adjustments in service mode, write the adjustment data before cutting off the power. If you cut off the power without writing, the results of your adjustments are all lost.
- * Standard inspection conditions

Unless specifically specified otherwise in this document, the following conditions are used for adjustments and inspections.

APERTURE

MIN

BRIGHT

50% (Center click)

CHROMA PHASE

50% (Center click)

50% (Center click)

CONTRAST

80% (Center click)

VOLUME

50%

3-2. WRITING MODEL DATA

1. In service mode, write in the following model data at No. 114 MODEL

PVM-1350

7

PVM-1351O/1354O

4

2. In service mode, write in the following data at No. 115 COLOR TEMP DISP 1

PVM-1350/1351Q/1354Q

3. In service mode, write in the following data at No. 116 COLOR TEMP DISP 2

PVM-1350/1351Q/1354Q

3-3. PICTURE OUTPUT

- 1. Set the AC input voltage.
 - (1) Input the video and audio signals to the corresponding terminals on the connector panel.
 - (2) Set the sliduck AC voltage as shown on the right. (*1-1)

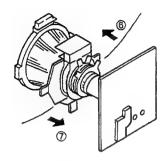
Model	Voitage
PVM-1350/1351Q/1354Q	AC120 ± 3V (Distortion rate : 3% or less)

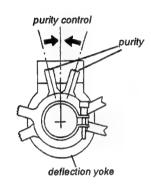
3-4. LANDING ADJUSTMENT

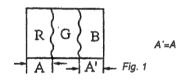
- 1. Preparations
- 1) To reduce the influence of geomagnetism, face the set's CRT screen east or west.
- 2) Loosen the deflection yoke fixture and lower the deflection yoke to the rear.
- 3) Switch on the Power switch and degauss with the degausser.
- 4) Adjust the deflection yoke tilt.
- 2. Adjustment
- 1) CONT ····· MAX

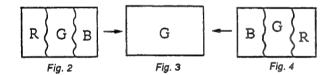
BRT Position providing good vision

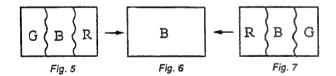
- 2) The rough adjustments of the white balance, G2, and convergence must be completed aiready.
- 3) Set green-only.
- 4) Adjust the purity knob so that the green comes to the center of the screen. Make the red and blue about even. Fig. 1
- 5) Switch to blue only, red only, and green only and verify each. Fig. 1, 2, and 3
- 6) Bring the deflection yoke gradually forward and adjust the deflection yoke so that the R and B at both sides of the screen become green. Fig. $2 \rightarrow 3$
- 7) If the deflection yoke comes too far forward, you will see the pattern shown in Figure 4. If that happens, lower the deflection yoke to the rear. Fig. $4 \rightarrow 3$
- 8) Switch the single color switch to B and verify the single color. Fig. 6
- 9) Switch the single color switch to R and verify the single color. Fig. 9
- 10) When one of the colors does not become the single color correctly, check by repeating Items 7 and 8 based on the single color not coming into adjustment.
 - If you can not obtain landing in the corners, paste on magnets.
- 11) Switch to an all-white signal and check the uniformity.
- 12) When the deflection yoke position is determined, fastel it with the fixture.

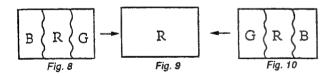












3-5. CONVERGENCE ADJUSTMENT

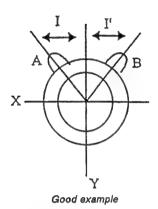
1. Input a dot pattern signal. CONT ····· Position providing good vision

BRT MIN

- 2. Align the horizontal R, G, and B dots at the center of the screen with the H-STAT VR. (*1)
 - *1: If the H-CENTER adjustment was after the H-STAT adjustment, re-adjust the H-STAT.

(The H-CENT VR changes the H-STAT too.)

- 3. Align the R, G, and B at the center of the screen with the V-STAT magnets. (*2)
 - *2: After the V-STAT adjustment, paint on the knobs to lock them.



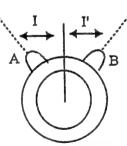
B Bad example

V-STAT magnet knobs While keeping the angles for A and B equal (I=I'), align the vertical convergence.

If the A and B knobs are not symmetrical (I=/I'), this has bad effects. The focus may deteriorate and beam striking may occur.

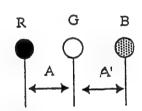
4. For HMC, use the 6-pole magnet to adjust the R and B dots to be symmetrical left and right about the G dot. (*1)

*1:



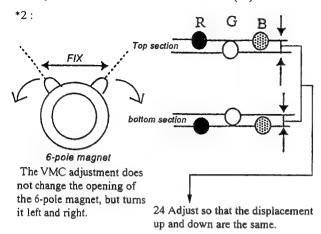
6-pole magnet

The HMC adjustment changes the opening of the 6-pole magnet.

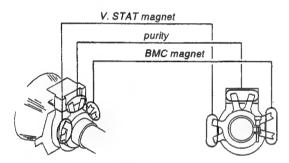


Adjust the 6-pole magnet so that A=A'. You must maintain the relationship I≠I' while moving the magnet.

95. For VMC, use the 6-pole magnet to adjust the R and B dots to be symmetrical above and below the G dot. (*2)



- 6. Adjust by repeating the adjustments in Items 2 through 5. (*3)
 *3: The above adjustment may affect the landing, so after this adjustment, check the landing again.
- 7. After the adjustment is complete, paint on the knobs to lock them

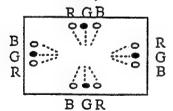


3-6. DEFLECTION YOKE NECK ROTATION ADJUSTMENT

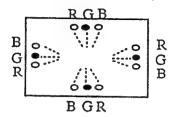
If there is misconvergence at both sides on the X or Y axis of the screen, turn the neck of the deflection yoke in the direction of the arrow to reduce the misconvergence for the entire CRT screen to within the tolerance.

1. Reverse misconvergence pattern

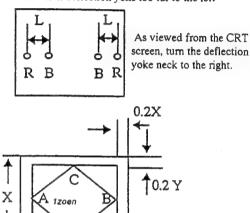
Turn the deflection yoke neck down.



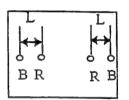
Positive misconvergence pattern Turn the deflection yoke neck up.



Pattern when deflection yoke too far to the left

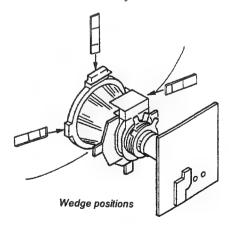


2zoen

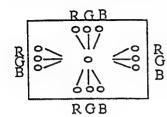


Pattern when deflection yoke too far to the right

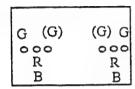
Insert the three wedges in the deflection yoke and CRT funnel surface to fasten the deflection yoke.



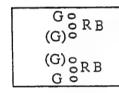
3. The pattern below can not be corrected by turning the neck.



* Gun rotation The beam is twisted at both sides on the X axis and Y axis.



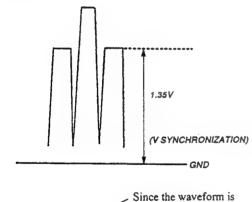
* HCR large (small) At both sides of the screen. the G raster horizontal component is wider (narrower) than those of the R and B rasters.

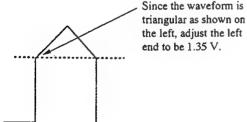


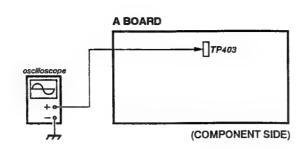
* VCR large (small) At both sides of the screen, the G raster vertical component is wider (narrower) than those of the R and B rasters.

3-7. G2 ADJUSTMENT

- 1. Input a 525 monoscope signal.
- 2. Connect the oscilloscope to A board TP403.
- 3. Of the three reference pulses, measure the lowest one.
- 4. With the Screen VR, adjust so that left end of the waveform is: $1.35 \text{ V} \pm 0.05$







3-8. WHITE BALANCE ADJUSTMENT

For measuring equipment, use a color analyzer (for example from

For the PVM-1350, Items 7, 8, 14, 15 and 16 are not necessary.

- 1. Input a 525 monoscope signal.
 - (Input from Line A or Line B, with no burst.)
- 2. Set: CONT 0% BRT----- 50%
- 3. On a 20-tone gray scale, adjust service mode SUB BRIGHT so that
- 0 and 5 IRE \rightarrow cut off 10 IRE → slight glow
- 4. Input 525 all-white (no burst, composite signal).
- 5. Set CONT to 80%.
- 6. Adjust the all-white signal luminance so that the screen luminance is 3 NIT.
- 7. Press MENU and select COL TEMP/BAL.
- 8. Select 6500 K.
- 9. Put the unit into service mode. (*1) *1 : Set 3200 K SW to 0 for both 9300K and 6500K.
- 10. Adjust to the standard values with C/T1 6500K BIAS (G must be fixed at "512".) (*2) *2: Adjust the cut-off to be 3 NIT.
- 11. Switch the all-white signal luminance to 100 IRE.
- 12. Adjust to the standard values with C/T1 6500K GAIN (G must be fixed at "700".)
- 13. Repeat Items 10, 11 and 12 until the adjustment is complete, then write the adjustment data.
- 14. Press MENU and select COL TEMP/BAL.
- 15. Select 9300 K.
- 16. In the same manner as in Items 10, 11, 12 and 13 make the C/T2 9300K BIAS and C/T2 9300K GAIN adjustments.

3-9. BLUE-ONLY WHITE-BALANCE ADJUSTMENT

For the PVM-1350, Items 3, 4, 5, 6, 7 and 8 are not necessary.

- 1. Switch the user control SW Blue Only On (to set blue-only
- 2. Input an all-white signal (no burst composite signal). (*1) The luminance of the all-white signal must be 100 IRE.
 - CONT ----- 80% BRT----- 50%
- 3. Select COL TEMP/BAL.
- 4. Select 6500 K.
- 5. Adjust to the standard values with C/T1 6500K B/O (RED) and C/T1 6500K B/O (GREEN)
- 6. Select COL TEMP/BAL.
- 7. Select 9300 K.
- 8. Adjust to the standard values with C/T1 9300K B/O (RED) and C/T1 9300K B/O (GREEN)
- 9. Check that the white balance is obtained when the all-white signal luminance is adjusted and the screen luminance is 8 NIT.

3-10 SUB BRT ADJUSTMENT

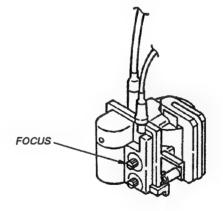
- 1. Input a 525 monoscope signal.
- 2. CONT ····· MIN
- BRT CENTER (50%)
- 3. Put the unit into service mode and select SUB BRIGHT
- 4. Adjust SUB BRIGHT so that 10 IRE gives a slight glow and 10 IRE gives cut off.

3-11. FOCUS ADJUSTMENT

Note: PVM-1350, 1351Q and 1354Q are adjusted with RV707 on the C board.

PVM-1351Q, 1354Q are adjusted with the RV at the top of the FBT main nuit

- 1. Input a 525 monoscope signal.
- 2. Adjust the focus to optimize the focus on the characters "30" at the center of the screen.
- 3. Switch to an all-white signal and check the uniformity.



SECTION 4 SAFETY RELATED ADJUSTMENT

The following adjustments should always be performed when replacing the following components (marked with A, a on the schematic diagram).

+B detection...... ₹ R1535 Tertiary coil detection..... ₹ R1536

Part replosed() Hold Down Circuit...... A board IC500, D533, R1537, C592, R1536, C523, R1560, R551, C549, R518, C506, C512,

D501, R506, R519, T501,

Beam Current Protector

Circuit...... A board R508, R515, R516, R517, C513, Q500, Q511

B+ Regulator Circuit..... A board R1535 ☐ G board C603,IC602

B+ MAX VOLTAGE CONFIRMATION (RV601)

Standard: 115.0~117.0 VDC

Check Condition: Input voltage: 130~132 VAC

Note: Use NF Power Supply or make sure that

distortion factor is 3% or less. Input signal: ALL White

Controls : BRT & CONT ⇒ Minimum

HOLD-DOWN CIRCUIT VOLTAGE CONFIRMATION

Check Condition: Input voltage: 130~132 VAC

Input signal: monoscope signal Controls : BRT & PIC ⇒ initial reset B+ voltage: Less than 117.0 V

(1) Hold down circuit (+B Actuation) a) When IABL = 600 \pm 50 μ A, raster goes out at less than 130.5 V of +B voltage (TP502) by adjusting △ R690 and RV601.

Input signal: ALL white △ R690: 470-5.6k 1/4 W RN

b) When IABL = 40 \pm 20 μ A, raster goes out at less than 130.5 V of +B voltage (TP502) by adjusting △ R690 and RV601. Input signal: Dot

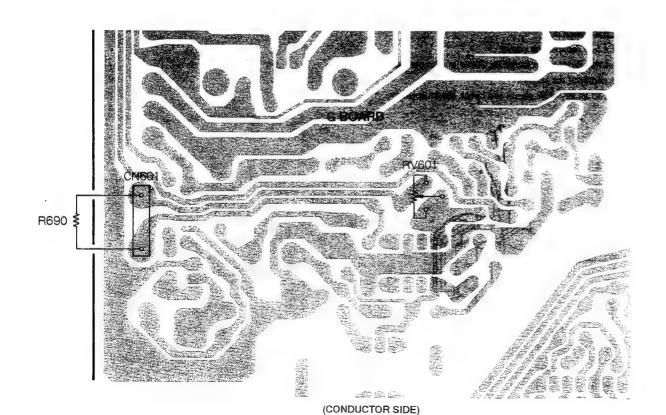
(2) Hold down circuit (Tertiary coil detection voltage) Confirmatory item: 110.0 V voltage should be applied to the (11) pin of IC500.

a) When IABL = 600 \pm 50 μ A, raster goes out when applying less than DC 146.7 V voltage to the (11) pin (TP503) of IC500 from outside.

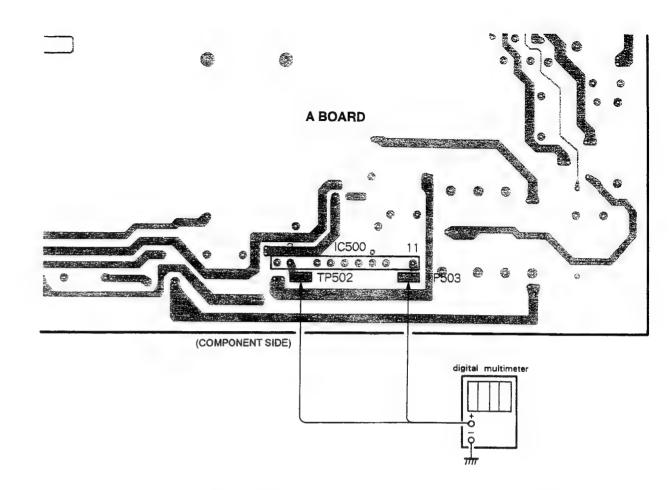
Input signal: ALL white

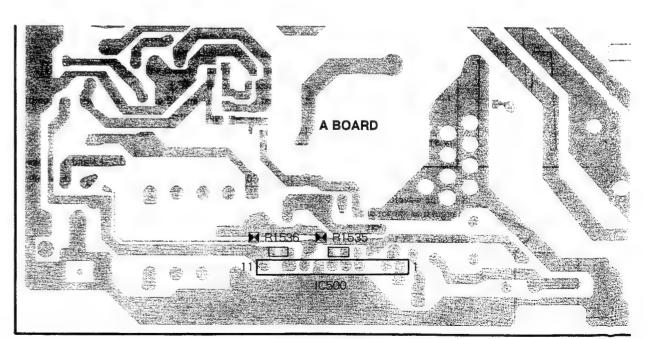
b) When IABL = 40 \pm 20 μ A, raster goes out when applying less than DC 147.0 V voltage to the (11) pin (TP503) of IC500 from outside.

Input signal: Dot







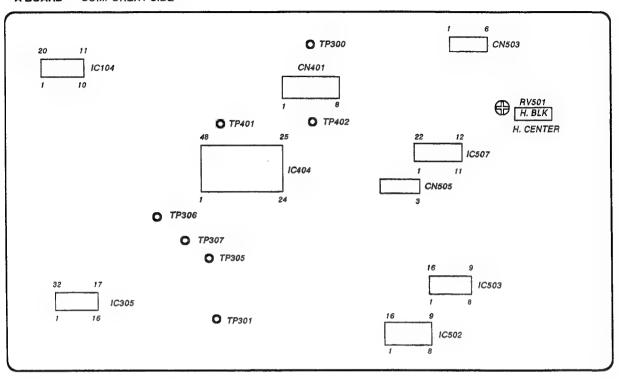


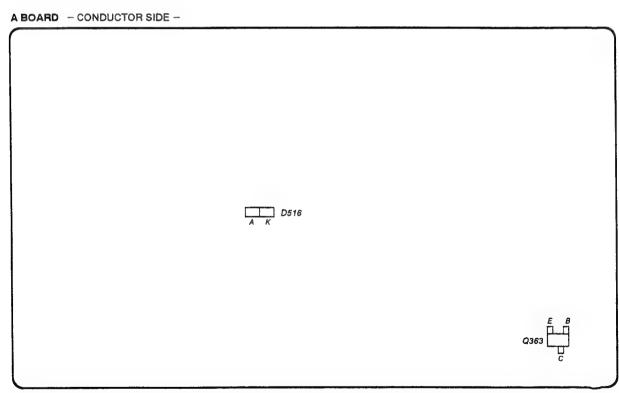
(CONDUCTOR SIDE)

SECTION 5 CIRCUIT ADJUSTMENTS

5-1. A BOARD ADJUSTMENT

A BOARD - COMPONENT SIDE -





I. Preparations

* When composite video or component signals are supplied from connector CN301, they must be supplied taking into account the effect of the Q board as indicated on the right.

The levels of the signals supplied must be within $\pm 2\%$ of the standard on the right.

Signal		Signal Contents	Standard Level (Pedestal-White)	Reduction Ratio	Connector Feed Level (Pedestal-White)
		100% WHITE	0.714V	93%	0.664V
	358NT	75% WHITE	0.536V	93%	0.498V
COMPOSITE VIDEO	443NT	BURST (GREEN) (This item only P-P)	286mV (632mV)	94% (94%)	269mV (594mV)
(75% COLOR BAR)		100% WHITE	0.7V	94%	0.651V
	PAL SECAM	75% WHITE	0.525V	94%	0.488V
		PAL BURST (GREEN) (This item only P-P)	300mV (664mV)	94% (94%)	282mV (624mV)
		100% WHITE Y	0.7V	94.8%	0.664V
ı		75% WHITE Y	0.525V	94.8%	0.498V
COMPONENT	BETA0	75% COLOR B-Y, R-Y (This item only P-P)	0.7V	94.8%	0.664V
(75% COLOR BAR)		100% WHITE Y	0.7V	94.8%	0.664V
		75% WHITE Y	0.525V	94.8%	0.498V
	SMPTE	75% COLOR B-Y, R-Y (This item only P-P)	0.525V	94.8%	0.498V

* The function or input can be selected by writing the corresponding data from the table below into microcomputer (IC101) RAM address 0006h.

BIT	FUNCTION	DATA
0-3	LINE A/RGB	1
	LINE B/COMPONENT	2
	LINE C/SDI	3
	LINE/RGB	4
	EXT SYNC	5
	DEGAUSS	6
	BLUE ONLY	7
	UNDER SCAN	8
	H/V DELAY	9
	16:9	10
4-7	MENU	1
	SELECT	2
	UP	3
1	DOWN	4

*	In this	document,	terms	inside	boxes	are	names	of
		mode adjus		s.				
E	xample	60H-FRI	€Q					

* CONT 80% is the center click position for the user control.

II. Deflection System Adjustment

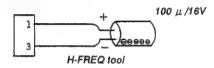
1. ADJUSTING THE HORIZONTAL OSCILLATION FREQUENCY

- * For the PVM-1350, Items 6 and 7 are not necessary.
- 1. Input a 525 monoscope signal.
- 2. Set:

CONT 80%

BRT50%

- 3. Put the unit into service mode.
- Drop A board IC507 Pin 1 to ground with a 100μ/16V electrolytic capacitor. (Ground must use CN505 Pin 3.)
 Or plug the H-FREQ tool into CN505.
- Adjust 60H-FREQ so that the diagonal lines on the screen become vertical lines. (Fig. 1)
- 6. Input a 625 monoscope signal.
- 7. Adjust 50H-FREQ so that the diagonal lines on the screen become vertical lines. (Fig. 1)



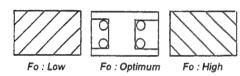


Fig. 1

2-1. H-BLK Adjustment

- 1. Input a 525 monoscope signal.
- 2. Set:

CONT 80%

BRT 50%

- 3. Put the unit into service mode.
- Observe the anode of D516 or TP300 with the oscilloscope and adjust H-BLK to obtain the waveform in Fig. 2.

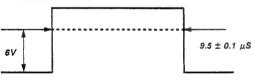


Fig. 2

2-2. H-BLK Adjustment (PVM-1350 only)

- 1. Put the unit into service mode.
- 2. Input an adjustment value of 70 for H-BLK.

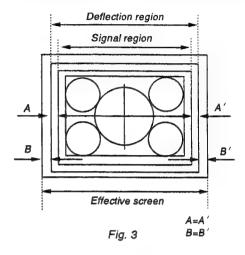
3-1. PICTURE PHASE Adjustment (PVM-1351Q/1354Q only)

- 1. Input a 525 monoscope signal.
- 2. Put the unit into under scan mode.
- 3. Set:

CONT ····· Min.

BRT ····· Max.

- 4. Put the unit into service mode.
- Use U/S H SIZE to adjust the size of the monoscope white frame to be about 1 cm to the inside of the limits of the effective screen.
- 6. Turn RV501 (H-CENT) and adjust so that B=B'.
- 7. Adjust 60 VIDEO PHASE so that the signal region comes to the center (A=A') of the deflection region. (Fig. 3)



- 8. Input a 625 monoscope signal.
- 9. Adjust 50 VIDEO PHASE in the same manner.

3-2. PICTURE PHASE Adjustment (PVM-1350 only)

- 1. Input a 525 monoscope signal.
- 2. Put the unit into service mode.
- 3. Input an adjustment value of 123 for 60 VIDEO PHASE
- 4. Input an adjustment value of 137 for 50 VIDEO PHASE.
- Roughly adjust H-SIZE so that the horizontal size s 15.75 frames.
- Turn RV501 (H-CENT) and adjust so that the left and right over scan amounts are equal.

4-1. V-BLK Adjustment (PVM-1351Q/1354Q only)

- 1. Input a 525 monoscope signal.
- 2. Put the unit into under scan mode.
- 3. Set :

CONT ····· Min.

 $BRT{\color{red}.}{\color{blue}.}{\color{blue}.}{\color{blue}Max}.$

- 4. Put the unit into service mode.
- 5. Adjust V BLK (60) so that before 0.5H of the white frame on the top of the monoscope is barely unblocked.
- 6. End under scan mode and put the unit into Normal 16:9 mode.
- 7. Adjust 16: 9 BLK START (60) and 16: 9 BLK END (60) so that the vertical direction frame count is 11.75 for the light emitting section of the screen and at the same tine the top and bottom block amounts are the same.

Note: This must be done before the 16:9 V-SIZE adjustment.

- 8. Input a 625 monoscope signal.
- 9. Adjust V BLK (50) in the same manner as in 5 above.

1010. Adjust 16:9 BLK START (50) and 16:9 BLK END

(50) in the same manner as in 7 and 8 above so that the vertical direction frame count is 11.2 for the light emitting section of the screen and at the same time the top and bottom block amounts are the same.

4-2. V-BLK Adjustment (PVM-1350 only)

- 1. Put the unit into service mode.
- 2. Use 60 V-SIZE and reduce the image size so that the upper and lower blanking can be seen.
- 3. Use 60 V-BLK and adjust so that the white frame of the upper part becomes ½.

5. VERTICAL DEFLECTION SECTION Adjustment

- * PVM-1350 has no 16: 9 mode.
- * PVM-1350 has no 625 mode.

Normal V. Size Standards

		525	625
4::	3	11.75 ± 0.2 frames	11.2 ± 0.2 frames
16:9	14"	154 ± 2mm	4
10.9	20 ″	217 ± 3mm	-

- 1. Input a 525 monoscope signal.
- 2. Set:

CONT 80%

BRT 50%

- 3. Put the unit into service mode.
- 4. Adjust the size to 12 frames with NOR 60 V SIZE

Adjust the vertical linearity with VLIN

Adjust the vertical centering with 60 V CENT .

Note: The V.CENT adjustment must be re-evaluated after the V.LIN adjustment.

Adjust the size to the standard value with NOR 60 V SIZE .

- 5. Put the unit into 16:9 mode.
- 6. Adjust in the same manner with 16: 9 NOR V SIZE (60)
- 7. Put the unit into normal scan mode.
- 8. Input a 625 monoscope signal.
- Roughly adjust NOR 50V SIZE so that the size is 11 frames.
 Adjust the vertical centering with 50 V CENT.

Note: The V.CENT adjustment must be re-evaluated after the V.LIN adjustment.

Adjust the size to the standard value with NOR 50 V SIZE.

- 10. Put the unit into 16:9 mode.
- 11. Adjust in the same manner with 16:9 NOR V SIZE (50)

6. HORIZONTAL DEFLECTION SECTION ADJUSTMENT NORMAL SCAN Adjustment

- * PVM-1350 hasno 625 mode.
- * PVM-1350 hasno 16: 9 mode.
- 1. Input a 525 monoscope signal.
- 2. Set

CONT 80%

BRT 50%

- 3. Put the unit into service mode.
- Roughly adjust NOR H SIZE so that the size is 15.75 frames.
- 5. Adjust the horizontal deflection section with

NOR PIN AMP, NOR PIN PHASE, NOR U/L PIN, SEXY, V BOW and V ANGLE.

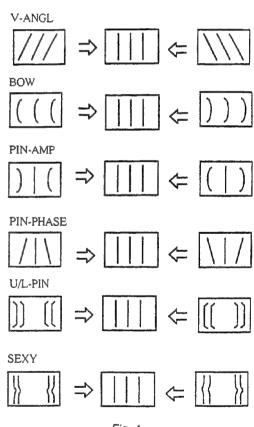
(While adjusting the pincushion distortion and bow distortion with V-ANGL and BOW, adjust so that the horizontal and vertical of the screen are straight lines.)

- 6. Put the unit into 16:9 mode.
- 7. Adjust with 16:9 NOR PIN AMP,

 16:9 NOR PIN PHASE, and 16:9 NOR U/L PIN in the same manner as in Item 5.

Normal H.Size Standards

	525	625
4:3	15.75 ± 0.2 frames	15.0 ± 0.2 frames
16:9	15.75 ± 0.2 frames	15.0 ± 0.2 frames



7. HORIZONTAL DEFLECTION SECTION Adjustment (UNDER SCAN adjustment) (PVM-1351Q/1354Q only)

Standard value

	525	625
U/S H-SIZE V-SIZE	252 ± 2mm 188 ± 2mm	
16:9 U/S V-SIZE	142 ± 2mm	

8. H/V DELAY Adjustment

- 1. H-DELAY adjustment
 - 1) Input a 525 monoscope signal.

2) Set:

CONT 80%

BRT 50%

- 3) Put the unit into H/V DELAY mode.
- 4) Put the unit into service mode.
- 5) Connect the oscilloscope probe to IC503 Pin 7, then adjust H DELAY so that the waveform is as in Fig. 5.
- 2. V-DELAY Adjustment
 - 1) Input a 525 monoscope signal.

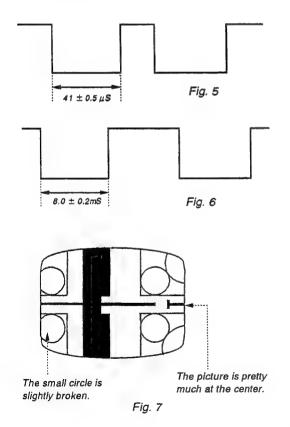
2) Set:

CONT 80%

BRT50%

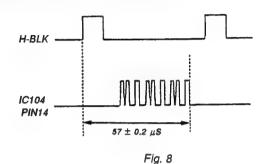
- 3) Put the unit into H/V DELAY mode.
- 4) Put the unit into service mode.
- 5) Connect the oscilloscope probe to IC502 Pin 7, then adjust V DELAY so that the waveform is as in Fig. 6.
- 3. Picture verification (PVM-1351Q/1354Q only)

Verify that the picture is as in Fig. 7.



9. OSD POSITION Adjustment

- 1. Input a 525 color bar signal.
- Connect the oscilloscope probes to TP300 (H-BLK) and IC104 Pin 14.
- 3. Adjust OSD POSITION so that the gap between the rising edge of the H-BLK waveform and the right edge character (the right edge of the " " " for service mode OSD POSITION) is: 57 μS ± 0.2 μS



10. WRITING THE ADJUSTMENT

1. Write the adjustment results into memory.

Note: If you cut off the power before writing, the results of your adjustments are all lost.

III. SIGNAL SYSTEM ADJUSTMENT

1. NORM AL AND H/V DL SUB CON ADJUSTMENT

- * PVM-1350 has neither 16: 9 nor H/V-DL.
- 1. Input a vertical white line signal.

Note: Use a vertical white line signal (525 no burst, H width 3μ S, 100IRE).

2. Set:

CONT 80%

BRT 50%

- 3. Connect the oscilloscope probe to A board CN401 Pin 3.
- 4. Put the unit into service mode.
- 5. Provisionally input an adjustment value of 69 for SUB BRT.
- 6. Adjust the pedestal or the distance between the sync tip and white with SUB CON (4:3 NOR), SUB CON (4:3 H/V DELAY), SUB CON (16:9 NOR), and SUB CON (16:9

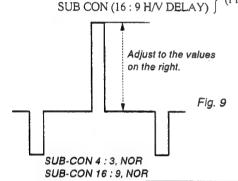
H/V DELAY).

SUB CON (4:3 NOR).

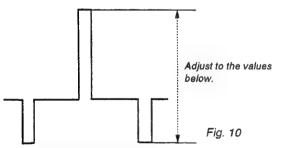
SUB CON (16:9 NOR)

SUB CON (4:3 H/V DELAY)

(Fig. 10).



	#	14"			
	20″	PVM-1354Q	PVM-1350/ 1351Q		
4:3	1.55	1.50	1.40		
	Vp-p	Vp-p	Vp-p		
16:9	1.40	1.33	1.24		
	Vp-p	Vp-p	Vp-p		

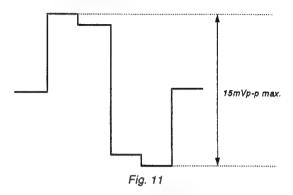


SUB-CON 4 : 3, H/V-DL SUB-CON 16 : 9, H/V-DL

	20″	14"			
		PVM-1354Q	PVM-1350/ 1351Q		
4:3	1.55	1.50	1.40		
	Vp-p	Vp-p	Vp-p		
16:9	1.40	1.33	1.24		
	Vp-p	Vp-p	Vp-p		

2-1. SUB PHASE Adjustment (PVM-1351Q/1354Q only)

- Input a component color bar (R-Y) and EXT SYNC (Beta 0 level signal).
- 2. Put the unit into Ext Sync mode.
- 3. Connect the oscilloscope probe to IC404 Pin 30 or TP402.
- 4. Put the unit into service mode.
- 5. Adjust SUB PHASE to minimize the output waveform (15 mVp-p max.) (Fig. 11)

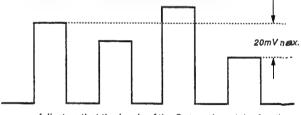


2-2. SUB PHASE Adjustment (PVM-1350 only)

- 1. Input a NTSC color bar signal.
- 2. Connect between L309 and ground and between TP507 and a 5V line (L320 line).
- 3. Put the unit into service mode.
- Adjust SUB PHASE to minimize the output waveform (15 mVp-p max.) (Fig. 11)

3-1. SUB CHROMA Adjustment (PVM-1351Q/1354Q only)

- 1. Input a component color bar (R-Y, Y, B-Y). (Beta 0 level signal).
- 2. From the menu, make the Component Level Beta 0.
- 3. Connect the oscilloscope probe to IC404 Pin 30 or TP402.
- 4. Put the unit into service mode.
- 5. Using SUB CHROMA NORMAL, adjust so that the tops of the waveform line up as in the diagram below. (Fig. 12)



Adjust so that the levels of the first peak and the fourth peak are the same.

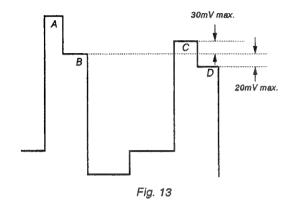
Fig. 12

3-2. SUB CHROMA Adjustment (PVM-1350 only)

- 1. Put the unit into service mode.
- 2. Input an adjustment value of 98 for SUB CHROMA NORMAL. (Fig. 12)

4. R-Y LEVEL ADJUSTMENT (PVM-1351Q/1354Q only)

- 1. Input a component color bar (R-Y, Y, B-Y). (Beta 0 level signal).
- 2. From the menu, make the Component Level Beta 0.
- 3. Connect the oscilloscope probe to IC404 Pin 41 or TP401.
- 4. Put the unit into service mode.
- 5. Using R-Y LEVEL COMPONENT, adjust so that the tops of the waveform line up as in the diagram below. (Fig. 13)



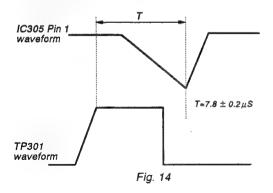
Adjust so that B=D above (20 mV max.) Check that the difference between D and C is no greater than 30 mV

5. SUB CHROMA N10/SMPTE Adjustment (PVM-1351Q/ 1354Q only)

- Input a component color bar (R-Y, Y, B-Y). (SMPTE level signal).
- 2. From the menu, make the Component Level N10/SMPTE.
- 3. Connect the oscilloscope probe to IC404 Pin 30 or TP402.
- 4. Put the unit into service mode.
- 5. In the same manner as in 4-5, adjust SUB CHROMA N10/SMPTE.

6. BURST GATE PULSE WIDTH Adjustment

- 1. Input an NTSC color bar.
- Connect the oscilloscope probes to TP301 (COMP-SYNC) and Q363 or IC305 Pin 1. (Be careful! IC305 Pin 1 is a high-impedance line.)
- 3. Put the unit into service mode.
- Adjust BGP WIDTH so that the output waveform has the relationship shown in Fig. 14.

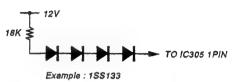


7. VXO Adjustment

- 1. X'tal 358
- 1) Input an NTSC color bar.
- 2) Connect the frequency counter to IC305 Pin 21.
- 3) Put the unit into service mode.
- 4) Connect the circuit on the right to IC305 Pin 1.
- 5) Adjust CRYSTAL 358 so that the counter reading meets the standard below. (You can also just adjust for where the color flicker stops.)

X'tal 358

Standard level 3.579545 ± 20Hz



(For connecting to Pin 1, have the four diodes as close to Pin 1 as possible to reduce the length of the wires.)

- 2. X'tal 443 (PVM-1351Q/1354Q only)
- 1) Input a 443 NTSC color bar.
- 2) Connect the frequency counter to IC305 Pin 21.
- 3) Put the unit into service mode.
- 4) Connect to IC305 Pin 1 in the same manner as in 1-4).
- 5) Adjust Crystal 443 in the same manner as in 1-5).

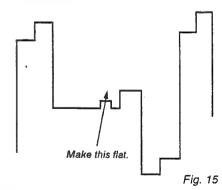
X'tal 443

Standard level 4.4

4.433619 ± 20Hz

8. NTSC COLOR DEMODULATION Adjustment

- * The adjustment in 8-1-3) is not necessary for PVM-1351Q/ 1354Q.
- * The adjustment in 8-1-4) is not necessary for PVM-1350.
- 1. NT 358 PHASE (NORMAL)
- 1) Input an NTSC color bar.
- 2) Connect the oscilloscope probe to TP306.
- 3) Supply 4 VDC to IC305 Pin 4.
- 4) Put the unit into H/V delay mode.
- 5) Put the unit into service mode.
- Adjust PHASE NTSC 358 NOR so that the output waveform burst section is a straight line. (Fig. 15)

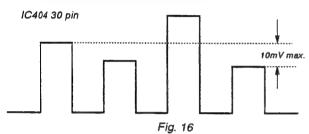


- 2. NT358 PHASE (ACC OFF) (PVM-1351Q/1354Q only)
 - 1) Switch ACC Off with the menu.
- 2) Adjust in the same manner as in 8-1 above, but adjust with PHASE NTSC 358 ACC OFF. (Fig. 15)

3. NT358 B-Y PHASE

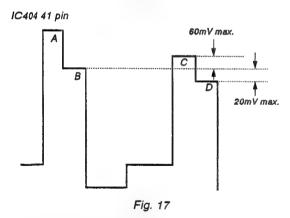
The phase adjustment must be carried out before the chroma adjustment.

- Input an NTSC color bar. (Input only the R-Y component. Have B-Y and Y off.)
- 2) Connect the oscilloscope probe to TP305.
- 3) Put the unit into service mode.
- 4) Adjust B-Y PHASE NTSC 358 so that the color components form a straight line.
- 4. NT358 CHROMA (NORMAL)
- 1) Input an NTSC color bar.
- 2) Connect the oscilloscope probe to IC404 Pin 30 or TP402.
- 3) Put the unit into service mode.
- 4) Using CHROMA NTSC 358 NOR, adjust so that the tops of the waveform line up as in the diagram below. (Fig. 16)



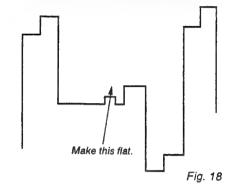
Adjust so that the levels of the first peak and the fourth peak are the same.

- 5. NT 358 CHROMA (ACC OFF) (PVM-1351Q/1354Q only)
- 1) Switch ACC Off with the menu.
- Adjust CHROMA NTSC 358 ACC OFF in the same manner as 8.-4 above. (Fig. 16)
- 6. NTSC 358 R-Y LEVEL
- 1) Input an NTSC358 color bar.
- 2) Connect the oscilloscope probe to IC404 Pin 41 or TP401.
- 3) Put the unit into service mode.
- 4) Using R-Y LEVEL NTSC 358, adjust so that the tops of the waveform line up as in the diagram below. (Fig. 17)



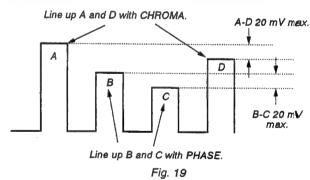
Adjust so that B=D above (20 mV max.) Check that the difference between B and C is no greater than 60 mV.

- 7. NTSC 443 PHASE (NORMAL) (PVM-1351Q/1354Q only)
- * The adjustment in 8-7-3) is not necessary for PVM-1351Q/1354Q.
- 1) Input an NTSC 443 color bar.
- 2) Connect the oscilloscope probe to TP306.
- 3) Supply 4 VDC to IC305 Pin 4.
- 4) Put the unit into H/V delay mode.
- 5) Put the unit into service mode.
- 6) Adjust PHASE NTSC 443 NOR so that the output waveform burst section is a straight line. (Fig. 18)

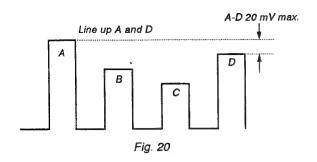


- 8. NTSC 443 PHASE (ACC OFF) (PVM-1351Q/1354Q only)
- 1) Switch ACC Off with the menu.
- 2) Adjust PHASE NTSC 443 ACC OFF in the same manner as in 7-5). above. (Fig. 20)
- NTSC 443 B-Y PHASE (PVM-1351Q/1354Q only) NTSC 443 CHROMA NOR
- 1) Input an NTSC 443 color bar.
- 2) Connect the oscilloscope probe to TP402.
- 3) Put the unit into service mode.
- 4) Adjust B-Y PHASE NTSC 443 and CHROMA NTSC 443

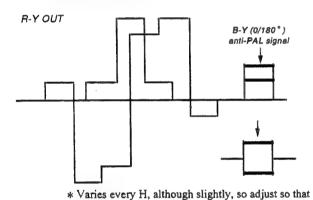
 NOR so that the tracking is normal and the tops of the waveform line up. (Fig. 19)



- 10. NTSC 443 CHROMA (ACC OFF) (PVM-1351Q/1354Q only)
- 1) Switch ACC Off with the menu.
- Adjust CHROMA NTSC 443 ACC OFF in the same manner as 9-4). (Fig. 22)



- 11. NTSC 443 R-Y LEVEL (PVM-1351Q/1354Q only)
- 1) Input an NTSC 443 color bar.
- 2) Connect the oscilloscope probe to TP401.
- 3) Put the unit into service mode.
- 4) Adjust R-Y LEVEL NTSC 443 in the same manner as 6-4). (Fig. 17)
- 12. PAL PHASE (NORMAL) (PVM-1351Q/1354Q only)
- 1) Input a PAL SP color bar.
- 2) Connect the oscilloscope probe to TP306.
- 3) Put the unit into service mode.
- 4) Adjust PHASE PAL NOR so that the B-Y anti-PAL signal waveform is 0. (Fig. 21)



the average is 0. Fig. 21

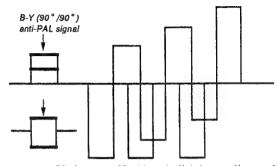
13. PLL PHASE (ACC OFF) (PVM-1351Q/1354Q only)

- 1) Switch ACC Off with the menu.
- 2) Adjust PHASE PAL ACC OFF in the same manner as 12-4).

14. PAL B-Y PHASE (PVM-1351Q/1354Q only)

- 1) Input a PAL SP color bar.
- 2) Connect the oscilloscope probe to TP305.
- 3) Put the unit into service mode.
- 4) Adjust B-Y PHASE PAL so that the B-Y anti-PAL signal waveform is 0. (Fig. 22)

(R-Y OUT)

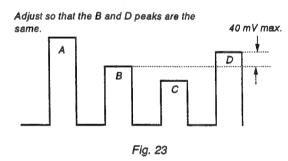


* Varies every H, although slightly, so adjust so that the average is 0.

Fig. 22

15. PAL CHROMA (NORMAL) (PVM-1351Q/1354Q only)

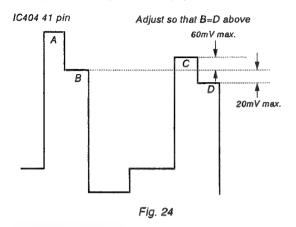
- 1) Input a PAL color bar.
- 2) Connect the oscilloscope probe to IC404 Pin 30 or TP402.
- 3) Put the unit into service mode.
- 4) Adjust CHROMA PAL NOR so that the tops of the waveform line up. (Fig. 23)



16. PAL CHROMA (ACC OFF) (PVM-1351Q/1354Q only)

- 1) Switch ACC Off with the menu.
- Adjust CHROMA PAL ACC OFF in the same manner as 15.-4). (Fig. 23)

- 17. PAL R-Y LEVEL (PVM-1351Q/1354Q only)
- 1) Input a PAL color bar.
- 2) Connect the oscilloscope probe to IC404 Pin 41 or TP401.
- 3) Put the unit into service mode.
- 4) Adjust R-Y LEVEL PAL so that the tops of the waveform line up as in the diagram below. (Fig. 24)



9. SECAM Adjustmnet

* This must be done after the deflection adjustment.

Note: Varies with H-FREQ, H-BLK, VIDEO-PHASE, ANGLE, BOW, H-DELAY, etc.

HP EIDTH (NORMAL) ADJUSMTNET (PVM-1351Q/1354Q only)

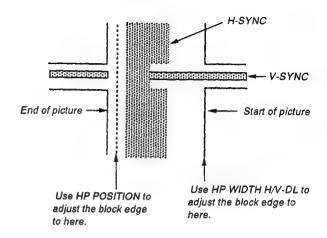
The board adjustment in 9.-1. is a rough adjustment and this may also be managed with the IC317 Pin 10 pulse width.

- 1) Input a SECAM color bar.
- 2) Put the unit into under scan mode.
- 3) Put the unit into service mode.
- 4) Adjust HP WIDTH NOR so that the color of the color section at the top left of the screen almost disappears.
- 2. HP POSITIOM ADJUSMTNET (PVM-1351Q/1354Q only)

Note: 9.-2. is the same as above. This adjustment can be managed with the phase relationship between the start of the pulse at IC317 Pin 10 and the input video signal.

- 1) Input a SECAM color bar.
- 2) Put the unit into H/V delay mode.
- 3) Put the unit into service mode.
- 4) Adjust HP POSITION as in the diagram on the right.
- HP WIDTH (H/V -DL) ADJUSMTNET (PVM-1351Q/1354Q only)
- 1) Input a SECAM color bar.
- 2) Put the unit into H/V delay mode.
- 3) Put the unit into service mode.

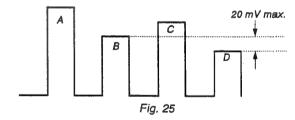
 Adjust HP WIDTH H/V DELAY as in the diagram below.
 Note: Check the HP POSITION and if it is off, repeat 2 and 3.



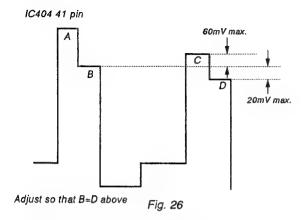
- 4. SECAM COL BALANCE (PVM-1351Q/1354Q only)
- 1) Input a SECAM color bar.
- 2) Connect the oscilloscope probe to TP306.
- 3) Put the unit into service mode.
- Adjust SECAM COLOR BALANCE R-Y so that the non-color section forms a straight line.
- Connect the oscilloscope probe to TP305.
- Adjust SECAM COLOR BALANCE B-Y so that the non-color section forms a straight line.
- 5. SECAM CHROMA (PVM-1351Q/1354Q only)
- 1) Input a SECAM color bar.
- 2) Connect the oscilloscope probe to IC404 Pin 30 or TP402.
- 3) Put the unit into service mode.
- 4) Adjust CHROMA SECAM so that the tops of the waveform line up as in the diagram below. (Fig. 25)

IC404 30 pin

Adjust so that the B and D peaks are the same.



- 6. SECAM R-Y LEVEL (PVM-1351Q/1354Q only)
- 1) Input a SECAM color bar.
- 2) Connect the oscilloscope probe to IC404 Pin 41 or TP401.
- 3) Put the unit into service mode.
- 4) Adjust R-Y LEVE SECAM so that the tops of the waveform line up as in the diagram below. (Fig. 26)

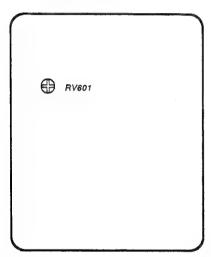


10. Writing the adjustment results

1. Write the adjustment results into memory.

5-2. G BOARD ADJUSTMENT

G BOARD - COMPONENT SIDE -



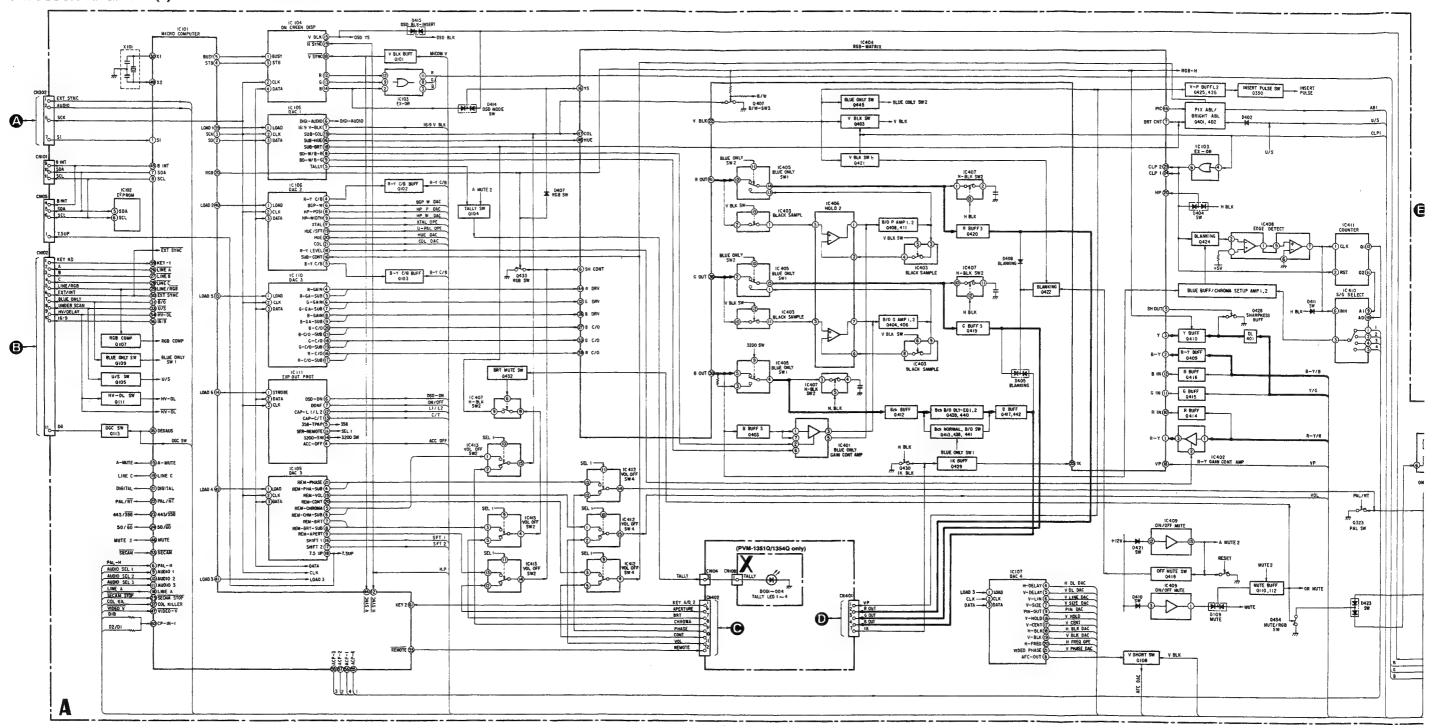
- 1. Checking the output lines
- 1) Input a color bar signal.
- 2) Adjust RV601 so that the +B voltage is 115 \pm 0.1 V.
- 3) Check that the output lines meet the standards below.

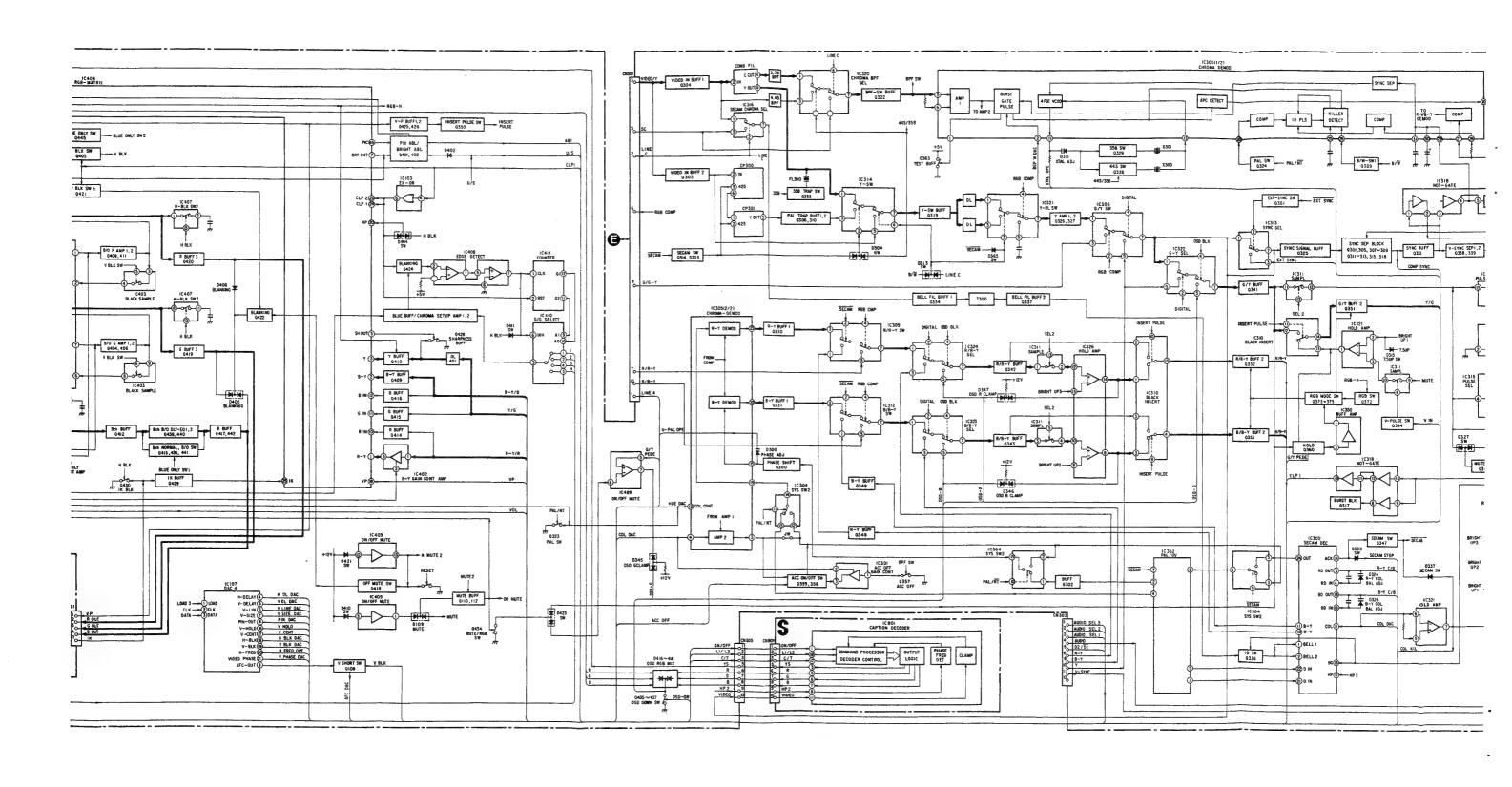
15V	$16.0 \pm 1.0 \text{V}$
5V(A)	$5.0 \pm 0.3V$
5V(B)	$5.0 \pm 0.5 V$
7V	$7.2 \pm 0.5 \text{V}$
- 15V	-16.3 ± 1.0 V

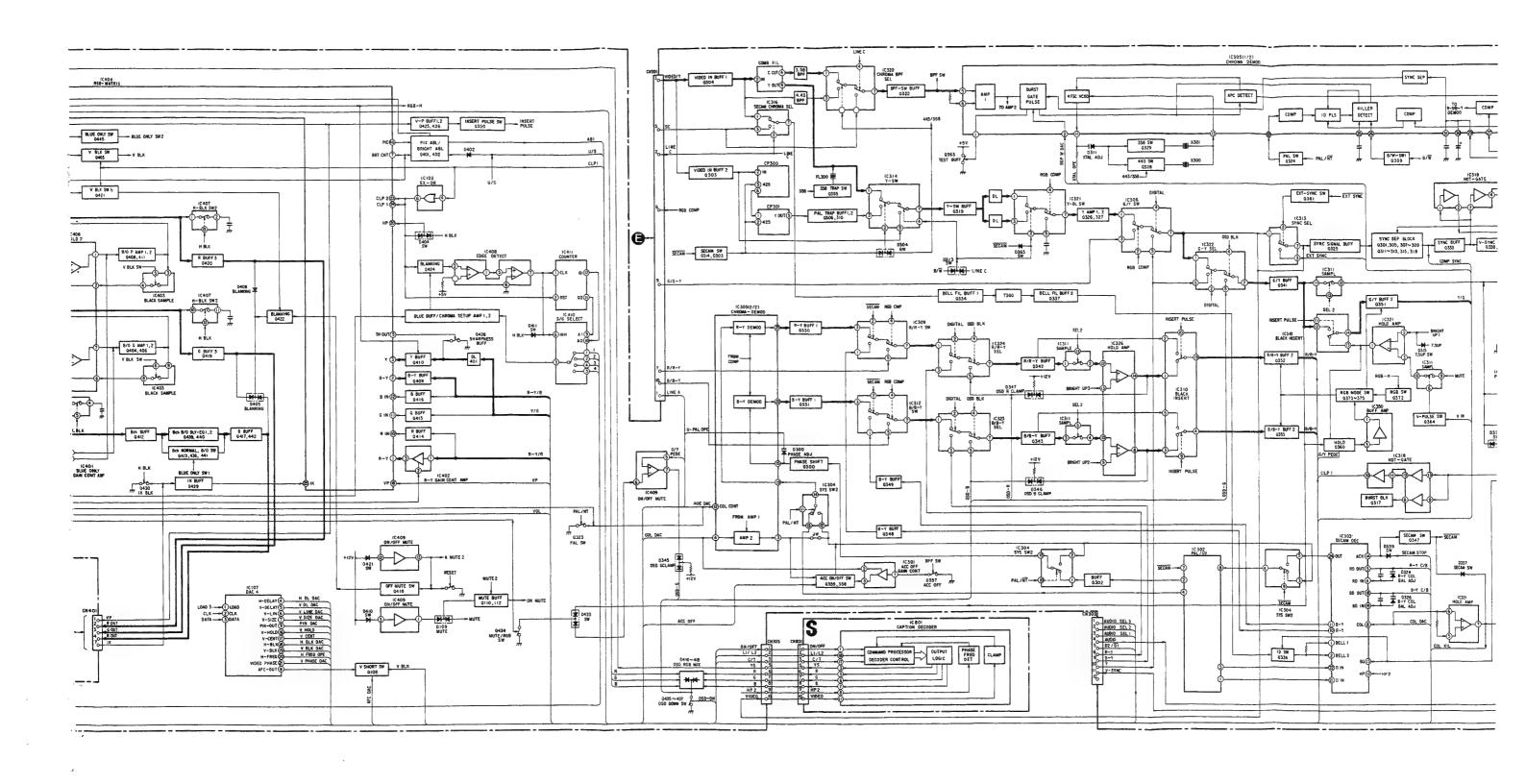
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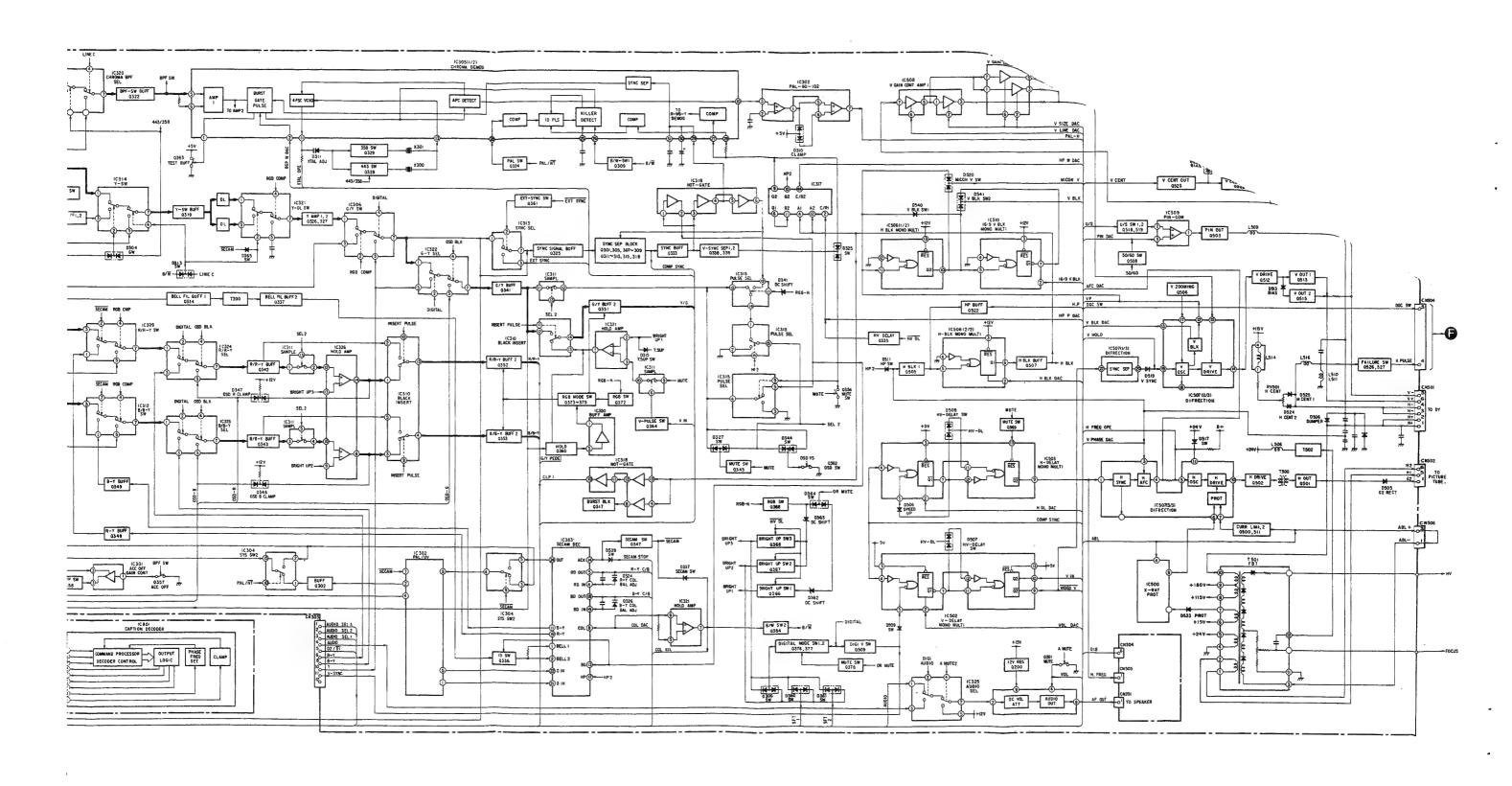
SECTION 6 DIAGRAMS

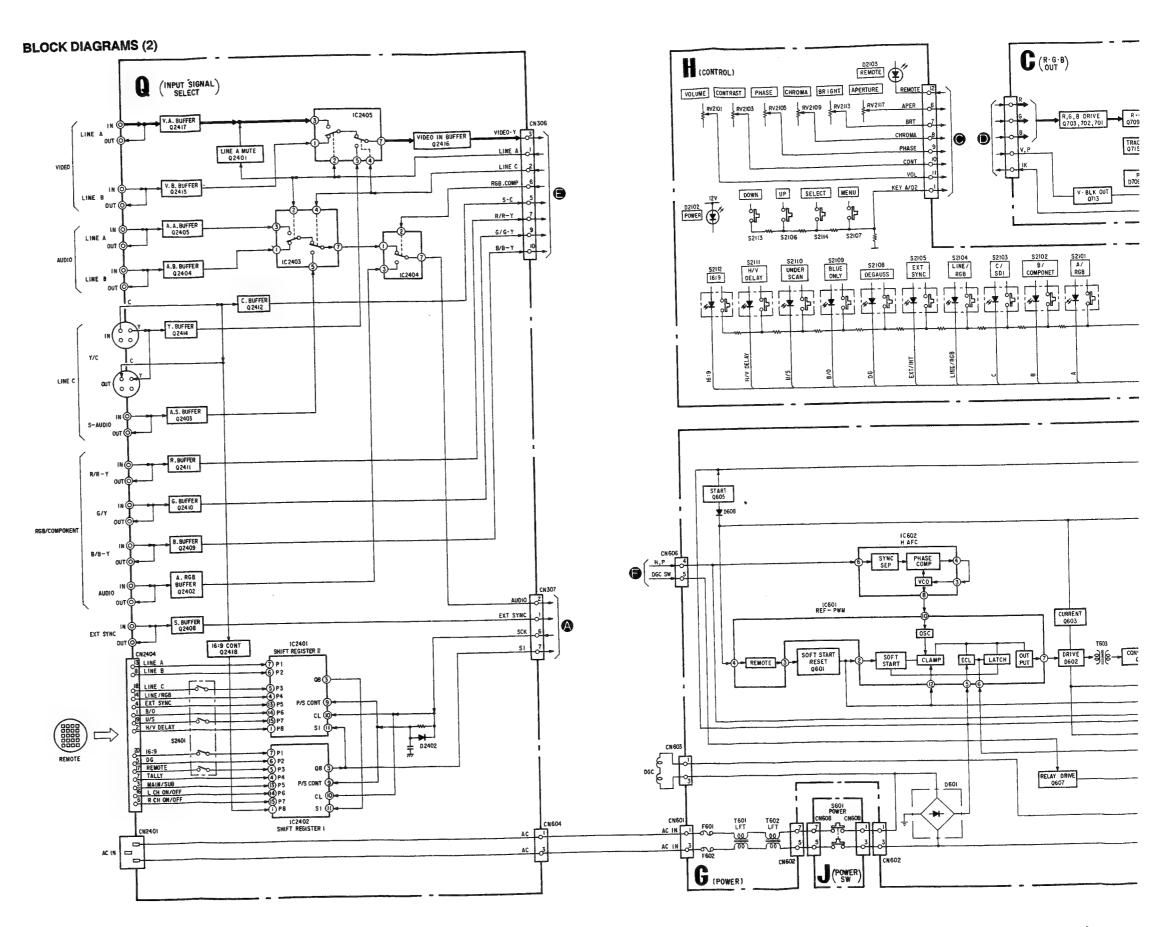
6-1. BLOCK DIAGRAMS (1)

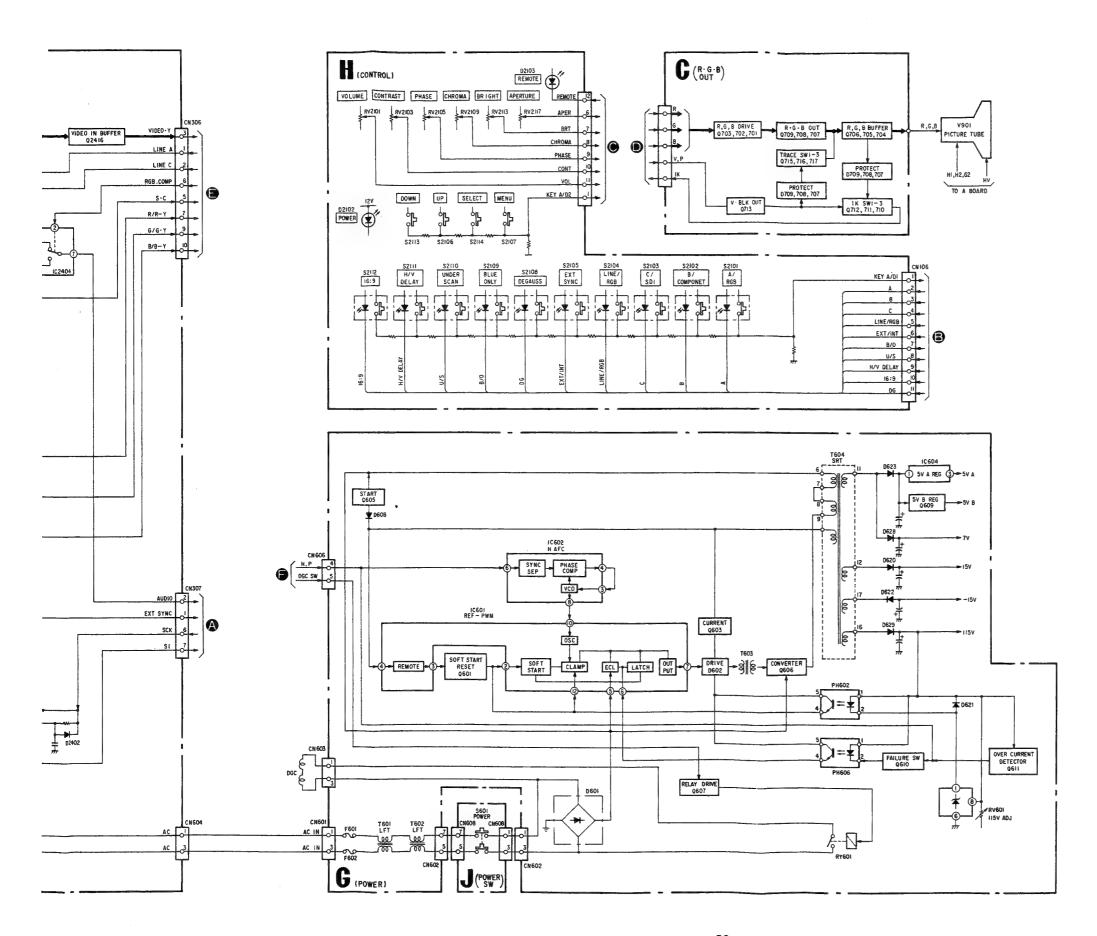


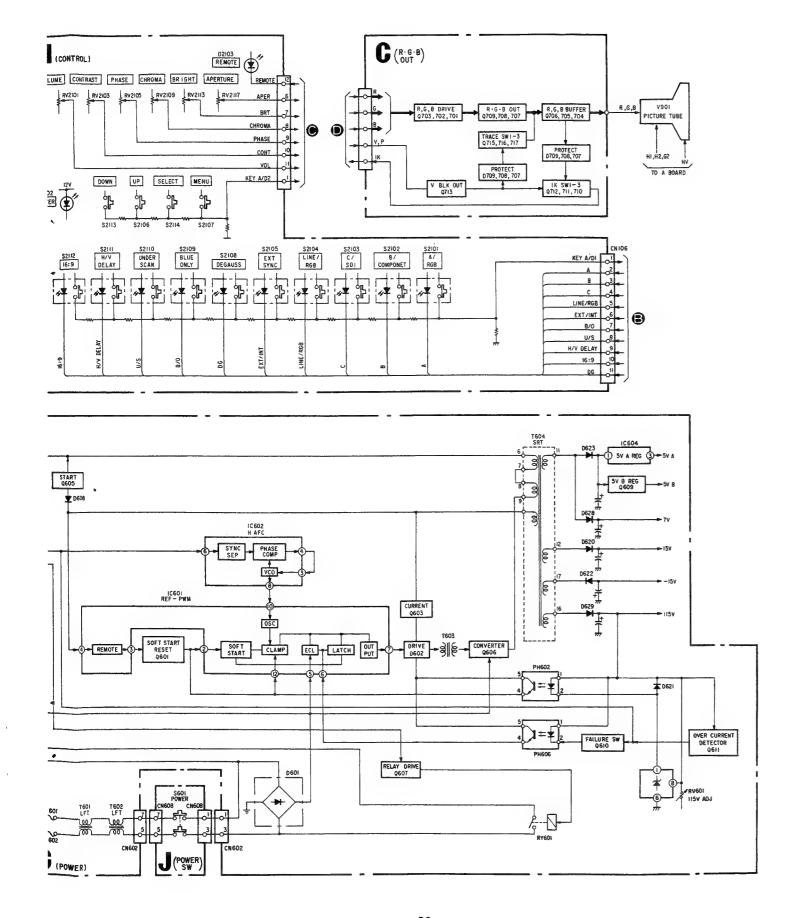


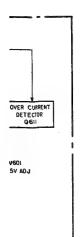


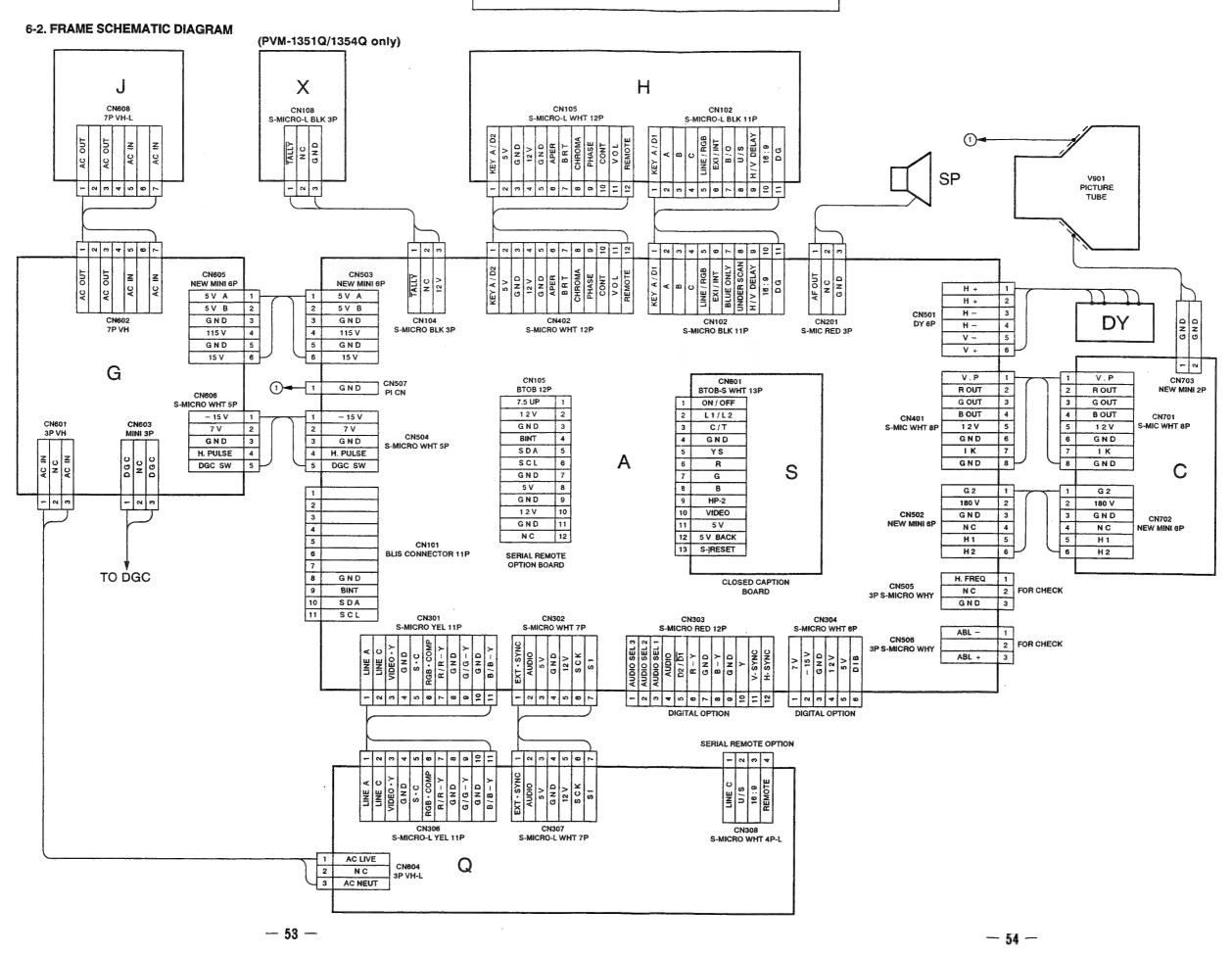


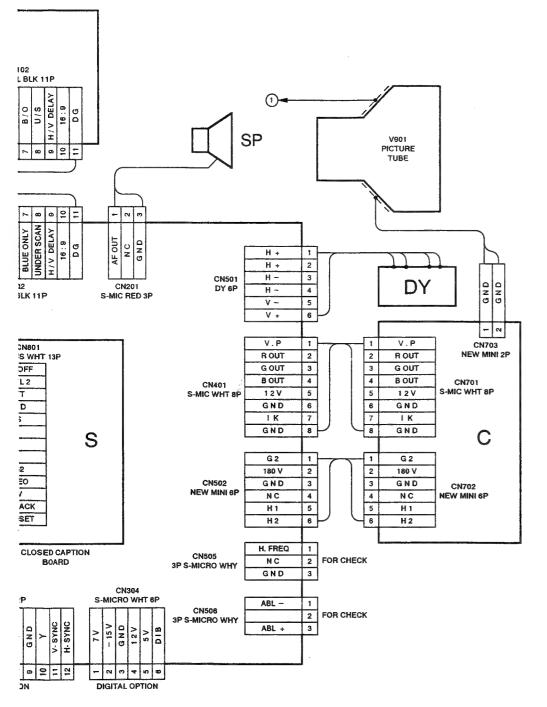






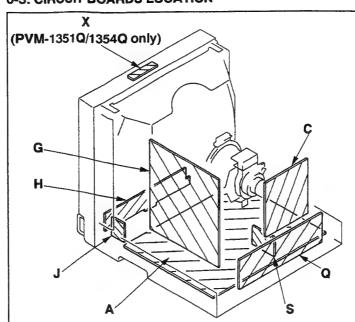






AL REMOTE OPTION O S 4 O S 9 10 NO S 9 10 NO

6-3. CIRCUIT BOARDS LOCATION



6-4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF
 50 WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm Rating electrical power ¼ W

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- \(\Delta \) : internal component.
- : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve
 B. unless otherwise noted.
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
 Should replacement be required, replace only with the value
- when replacing components identified by , make the necessary adjustments indicated if results do not meet the
- necessary adjustments indicated. If results do not meet the specified value, change the component identified by A and repeat the adjustment until the specified value is achieved. (Refer to R690 adjust on Page 29 and 30.)
- When replacing the part in below table, be sure to perform the related adjustment.

Part replaced ()	Adjustment (►)
C506, C512, C513, C523, C549, C592, D501, D533, IC500, IC507, Q500, Q511,R506, R508, R515, R516, R517, R518,R519, R551, R1535, R1536, R1537, R1560, T501	R1535, R1536 (HOLD-DOWN)

- All voltages are in V.
- Voltage are dc with respect to ground unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production
- tolerances.
- == : B bus.
- signal path.
- No mark: with PAL colour-bar signal sreceived or common voltage.
- For the respective voltage ratings in SECAM, NTSC 3.58, NTSC 4.43, S-VIDEO, and ANALOG RGB modes, see the table

Reference information

RESISTOR : RN METAL FILM SOLID : RC NONFLAMMABLE CARBON : FPRD : FUSE NONFLAMMABLE FUSIBLE NONFLAMMABLE WIREWOUND : RW NONFLAMMABLE METAL OXIDE : RS NONFLAMMABLE CEMENT : R8 : LF-8L MICRO INDUCTOR CAPACITOR : TA TANTALUM STYROL : PS

: PP POLYPROPYLENE : PT MYLAR

: MPS - METALIZED POLYESTER
: MPP METALIZED POLYPROPYLENE

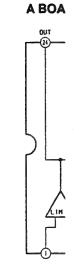
: ALB BIPOLAR : ALT HIGH TEMPERATURE

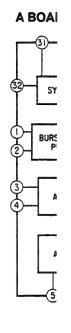
: ALR HIGH RIPPLE

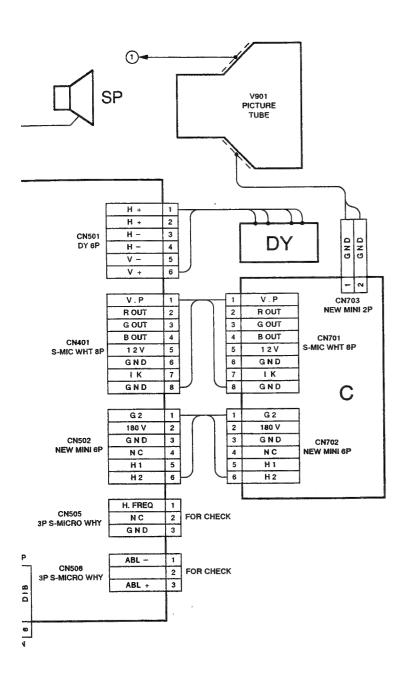
Note: The components identified by shading and mark

A are critical for safety. Replace only with part number specified.

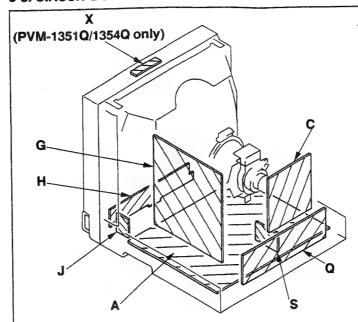
Note: Les composants identifiés par une trame et par une marque A sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.







6-3. CIRCUIT BOARDS LOCATION



6-4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics.
- · Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm Rating electrical power ¼ W

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- △ : internal component.
- panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B. unless otherwise noted.
- The components identified by R in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by
 make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by A and repeat the adjustment until the specified value is achieved.
- (Refer to R690 adjust on Page 29 and 30.) · When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (☑)	Adjustment (►)
C506, C512, C513, C523, C549, C592, D501, D533, IC500, IC507, Q500, Q511,R506, R508, R515, R516, R517, R518,R519, R551, R1535, R1536, R1537, R1560, T501	R1535, R1536 (HOLD-DOWN)

- All voltages are in V.
- Voltage are dc with respect to ground unless otherwise noted.
- · Readings are taken with a color-bar signal input.
- · Voltage variations may be noted due to normal production tolerances.
- : B + bus.
- manaman : B bus.
- signal path.
- No mark ; with PAL colour-bar signal sreceived or common voltage.

• For the respective voltage ratings in SECAM, NTSC 3.58, NTSC 4.43, S-VIDEO, and ANALOG RGB modes, see the table

Reference information

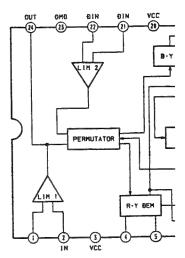
meterence ii	Hormatic)II
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
IS	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE

: ALR HIGH RIPPLE

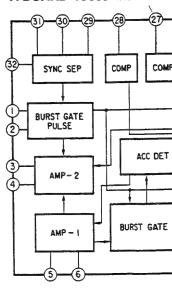
Note: The components identified by shading and mark A are critical for safety. Replace only with part number specified.

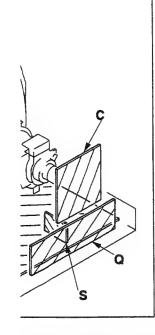
Note: Les composants identifiés par une trame et par une marque A sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

A BOARD IC303 CXA1214F



A BOARD IC305 M51279FF





) SCHEMATIC DIAGRAMS

ed. pF: $\mu\mu$ F slytics. one for rating

repair. cteristic curve

sic schematic or each set in ion. with the value

, make the not meet the ed by and a is achieved.

to perform the

ment (🔀)

.5, R1536 D-DOWN)

- All voltages are in V.
- Voltage are dc with respect to ground unless otherwise noted.
- · Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances
- : B + bus.
- signal path.
- No mark: with PAL colour-bar signal sreceived or common
 with page.
- For the respective voltage ratings in SECAM, NTSC 3.58, NTSC 4.43, S-VIDEO, and ANALOG RGB modes, see the table

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
10	: MPP	METALIZED POLYPROPYLENE

BIPOLAR

: ALR HIGH RIPPLE

part number specified.

: ALB

: ALT

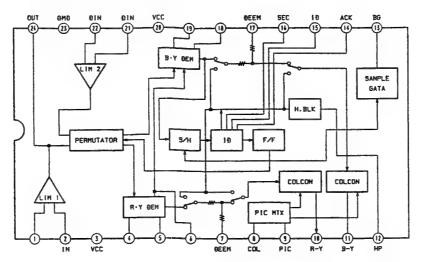
Note: The components identified by shading and mark

A are critical for safety. Replace only with

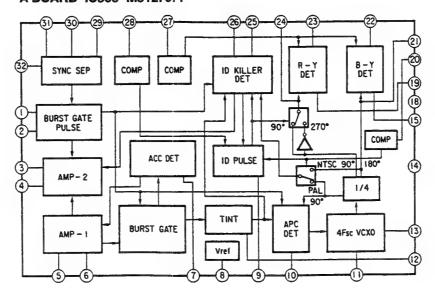
HIGH TEMPERATURE

Note: Les composants identifiés par une trame et par une marque A sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

A BOARD IC303 CXA1214P



A BOARD IC305 M51279FP



MICON, RGB-MATRIX, DAC,
ON SCREEN DISPLAY, ON/OFF MUTE,
VOL OFF SW, BLACK-SAMPLING, RGB SW]

[CHROMA DEMOD, SECAM CHROMA SELECT, SYSTEM SW,
SYNC SELECT, B/B-Y SW, R/R-Y SW, G/Y SW,
AUDIO SELECT, SECAM DECORDER, HOLD AMP]

[H/V OUT, DEFLECTION SYSTEM,
SUDIO OUT]

- A BOARD -

(Component Side)

Note:

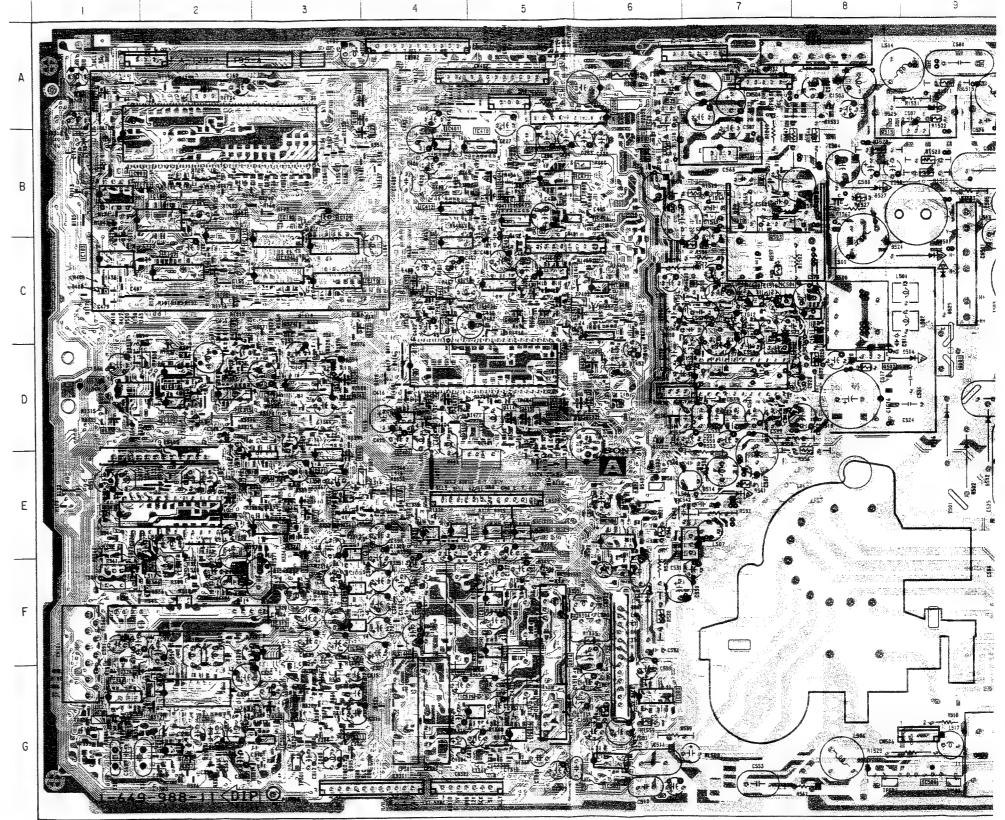
: Pattern of the rear side.

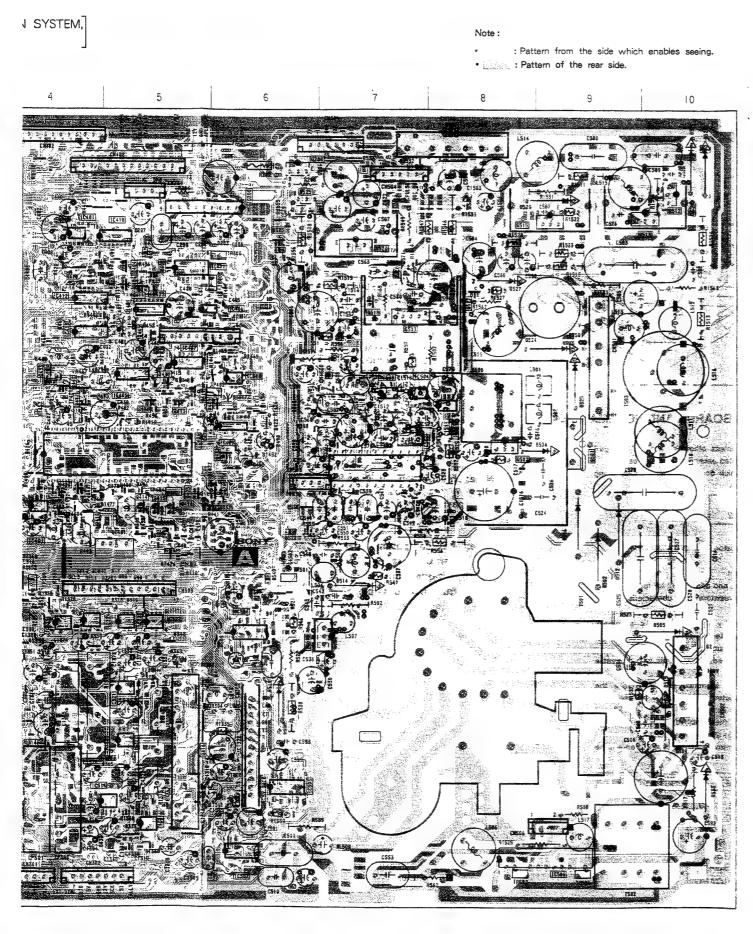
COMPONENT SIDE

COMPONE	ENT SIDE						
IC	:	IC503	G-6	Q410	D-4	D332	E-3
		1C504	C-7	Q411	B-5	D335	F-1
IC101	B – 2	IC505	E-6	Q412	C-5	D336	F-1
IC102	B – 1	IC506	E-6	Q413	C-5	D338	E-3
IC103	C - 1	IC507	D-7	Q414	D-5	D339	E-2
IC104	B – 1	IC508	C-7	Q415	D-5	D341	C-3
IC105	B-3	1C509	C-7	Q416	D-5	D348	E-5
IC106	C-3	IC510	E-2	Q425	D-5	D349	E-5
IC107	C-2		L	Q426	D-5	D350	E-4
IC109	C-3	TRANS	SISTOR	Q429	C-5	D351	B-3
IC110	C-3	Q102	C-2	Q430	D-5	D352	E-4
IC111	B-2	0103	C-2	Q432	C-5	D360	C-3
IC200	A-5	Q104	B-2	Q433	C-4	D361	C-3
IC301	G-2	Q105	A-3	Q435	D-4	D362	E-2
IC302	G-2	0107	A-3	Q436	D-4	D365	G-4
IC303	E-1	Q108	C-2	Q437	D-4	D380	D-2
IC304	G – 1	Q109	B-3	Q438	C-5	D381	D-2
IC305	G-2	0110	A - 1	Q440	C-4	D406	C-1
IC306	F-3	0112	D-5	Q441	C-4	D413	E-5
IC309	F-3	Q200	A-6	Q442	C-4	D414	D-4
IC310	D-3	0300	G-2	Q445	C-5	D415	E-5
IC311	E-3	0308	G-3	Q501	D-9	D416	D-4
IC312	E-3	0311	G-3	Q502	D-8	D417	D-4
IC313	F-2	Q314	F-4	Q503	B-7	D418	D-3
IC314	G-4	0316	F-5	Q512	A - 10	D423	C-6
IC315	D-2	0324	G-1	Q513	A-9	D424	B-5
IC316	G-5	0335	D-1	Q515	8-8	D502	E-9
IC317	D-1	Q341	E-3	Q518	B-7	D504	D-8
IC318	D-2	Q342	E-3	Q520	B-7	D505	E-10
IC320	F-5	Q343	E-4	Q523	B-6	D506	D-9
IC321	F-5	Q346	F-1	Q524	A-6	D510	F-6
IC322	E-5	Q347	E-2	Q525	A-6	D512	D-9
IC323	E-5	Q348	E-2	Q527	B-8	D514	E-7
IC324	E-4	Q353	D-3	-		D515	F-10
IC325	E-4 E-2	Q354	E-3	DIC	DDE	D520	E-6
IC350	D-2	Q355	F-5	D104	B-1	D522	D-6
IC401	B-4	Q356	D-2	D105	B-1	D524	C-8
IC401	D-4	Q357	G-2	D109	A - 1	D525	C-9
IC402	B-5	Q358	G-1	D110	E-5	D527	B-8
1C403	D-4	Q359	G-1	D112	A - 1	D528	A = 10
1C404	C-5	Q360	D-2	D113	B-4	D529	A - 8
IC405	B-5	0362	D-3	D114	F-2	D530	A - 10
IC406	1	Q365	E-3	D300 -	G-2	D533	G-10
1C407 1C408	C-5 C-6	Q366	E-3	D301	D-2	D535	B-6
IC408	C-6	Q372	C-3	D305	G-3	D537	A-7
IC409	B-4	0373	D-3	D313	G-5	D538	D-6
IC410	B-4 B-5	Q374	C-3	D314	C-1	D539	B-7
IC411	B-5 B-4	Q404	B-5	D318	E-4	D540	E-6
IC412	C-4	Q406	B-5	D319	E-5	D541	F-3
1C502	G-6	Q408	B-5	D327	D-3		
10002	3-0			1			

20	
	7
 <u> </u>	_

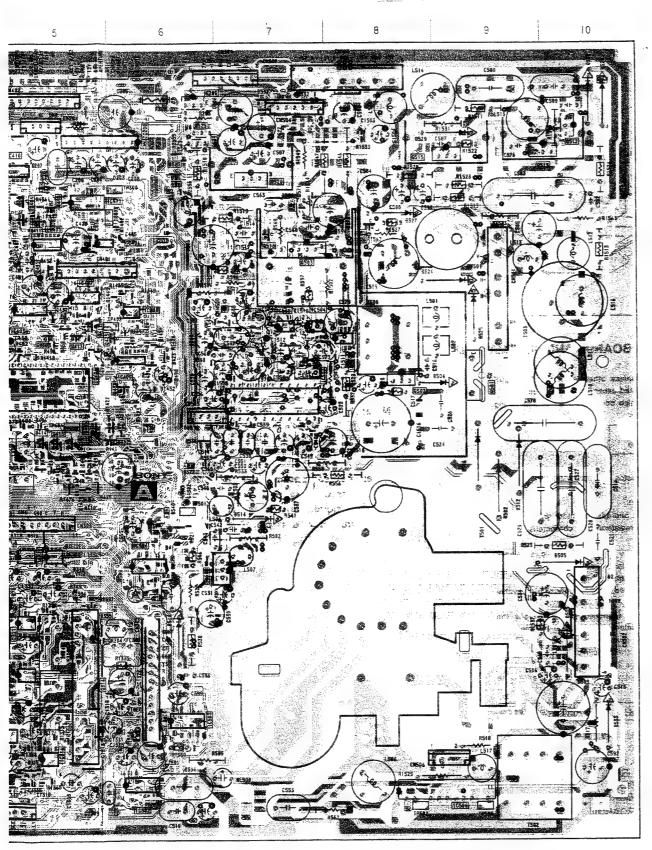
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



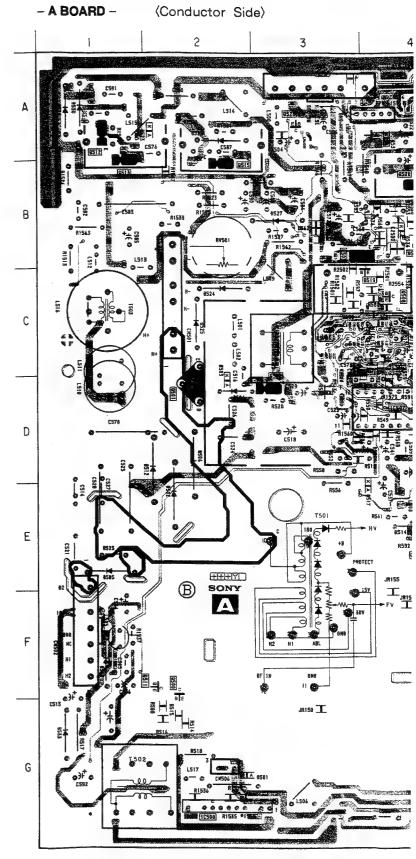


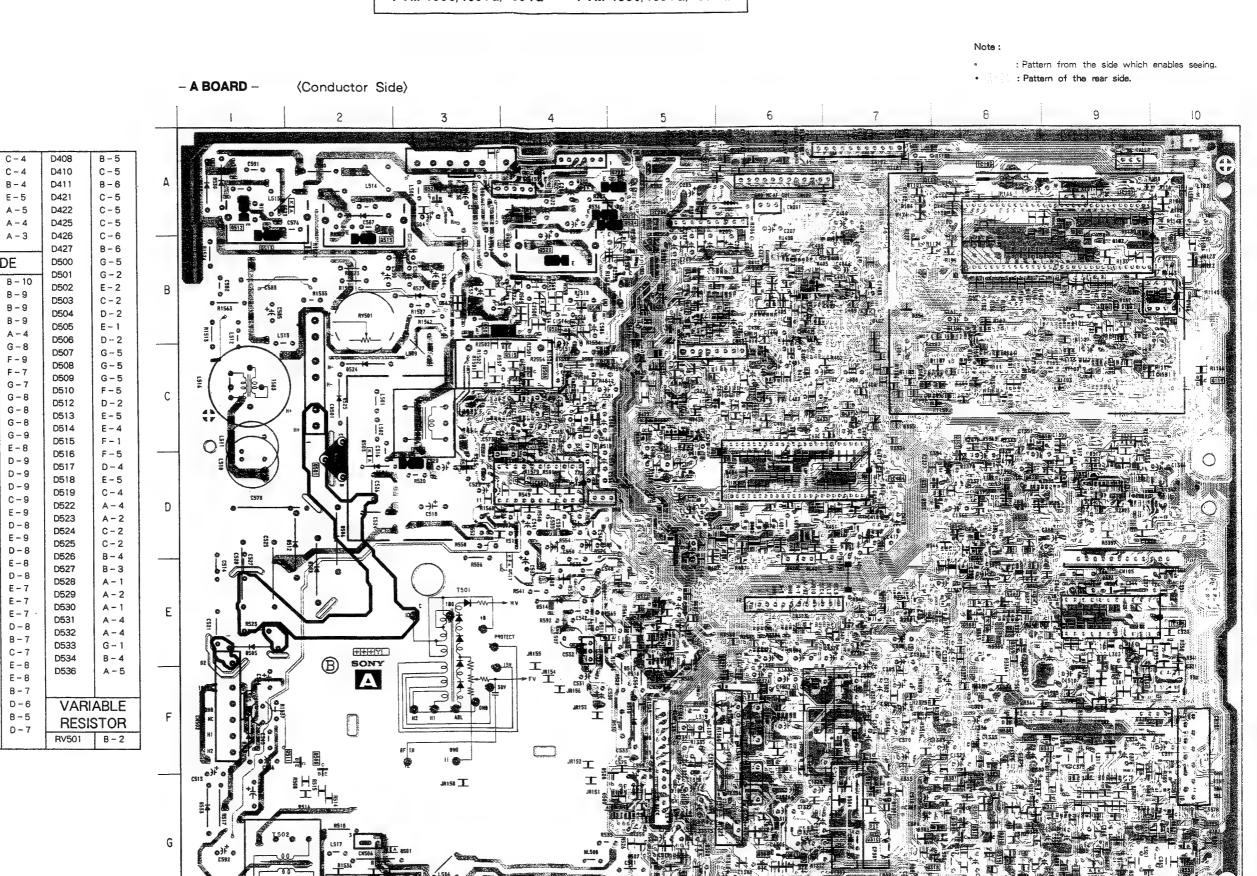
									– A BOARD –	(Conductor	Side)
										2	3
ONDUCT	OR SIDE										
10		Q345 Q349	D-8 E-9	Q517 Q519	C-4 C-4	D408 D410	B-5 C-5		591 0—0 =		
IC101	A-9	Q350	D-8	Q520	B-4	D411	B-6	А		L514	
IC102	B - 10	Q351	D-8	Q522	E-5	D421	C-5		L515		
IC108 IC200	B~8 A-5	Q352	D-8	Q524	A-5	D422	C-5		0 0	9-0	T.
1C303	E-9	0361	F-8	Q525	A-4	D425	C-5		(512 ° 2	C576 C587	504
IC404	D-6	Q363 Q364	G-9 D-8	Q526	A-3	D426 D427	C-6 B-6				e515
IC505	E-4	0367	E-8	DIC)DE	D500	G-5				0 6
IC507	D-4	0368	E-8			D501	G-2		•	O RM Z3 O	02 02
		Q369	E-8	D101	B - 10	D502	E-2	В	2 5-C583	0 0 0 0	3 3,527
TRANS	ISTOR	Q375	D-8	D102 D103	B-9 B-9	D503	C-2		0	6 - 0	
Q101	A - 9	Q401	B-6	D103	B-9	D504	D-2		RIS63	RV501	R1527 352 2
Q111	C - 10	0402	B-6	D200	A-4	D505	E-1		1513 N1513	. 1	R1562
0113	A - 7	Q403	B-6	D301	G-8	D506	D-2		e 200	·	
Q201	A-6	Q405 Q407	C-6 C-7	D302	F-9	D507 D508	G-5 G-5		-		199
Q301	G-8	Q409	D-7	D303	F-7	D509	G-5		_ (• • • •	H- 0 8524	
0302	G - 10	Q417	C-6	D304	G-7	D510	F-5			N- -	
Q303 Q304	G-6	0418	B-5	D307 D309	G-8 G-8	D512	D-2	С		, tell I	
Q304 Q305	G-6 G-8	Q419	C-6	D310	G-8	0513	E-5		47		
Q306	G-7	Q420	C-6	D311	G-9	D514	E-4			# •	
Q307	G-8	Q421	B-5	D315	E-8	D515	F-1		0 =	- 16 s	0
Q309	G-8	Q422 Q423	B-5 C-5	D317	D-9	D516 D517	F-5 D-4		5 0 0		
Q310	G-7	Q424	C-5	D320	D-9	D518	E-5				0-0
Q312	G-8	0428	D-6	D322	D-9	D519	C-4			63 18	R520
Q313	G-8	Q431	B-5	D323	C-9	D522	A-4	D	C578		46 a→+ a
Q315	G-8	Q434	C-5	D324 D325	E-9 D-8	D523	A-2			9 7	C518
Q318 Q319	G-8 F-7	Q439	C-6	D325	E-9	D524	C-2				
Q321	G-8	0443	C-5	D333	D-8	D525	C-2		9 X 9		A558
Q323	G - 10	Q444 Q500	B-5 F-2	D337	E-8	D526 D527	8-4		123		
Q325	F-8	Q500	D-2	D344	D-8	D527	B-3 A-1				
Q326	F-6	Q502	D-3	D345	E-7	D529	A-2				T50
Q327	F-6	Q503	B-3	D346	E-7	D530	A-1	_		•//	180
Q328	G-9	Q50 5	E-5	D347	E-7	D531	A-4	Ε	G DC21		
Q329 Q330	G-9 F-9	Q506	8-4	D353 D354	D-8 B-7	D532	A-4		E 1523		
Q331	F-9	Q507	E-5	D355	C-7	D533	G-1		المل الملا ا	(HHHY)	
Q332	G - 10	0508	C-4	D363	E-8	D534	B-4		12		· \ \Lambda :
Q333	D-9	Q509 Q511	G-5 F-2	D364	E-8	D536	A-5			B SONY	- 3 E
Q334	F-9	Q511	A-1	D401	B-7						*
Q336	E - 10	Q512	A - 1	D404	D-6	VARI	ABLE		• • •		25
Q337	E - 10	Q514	B-4	D405	B-5		STOR	F	= " o Ka o		H2 H1 ABL
Q338	C-9	Q515	B-2	D407	D-7	RV501	B-2		HI 0 1111		
0339	D-8		L	<u> </u>	1				H2		₹ IN SNB
									e oxo		110
									(513 a)F	<u>8</u>	
										* T = -	JR150 I
									£ .	P516	
										R516	•
								G	L502	3 3	ls.
								ا ن	C592	L517 CH A	1411
									C592	B1536 B	
									4	2 00000	0 L504 e
									. 6 .	(C500) R1535	
									<u> </u>		

: Pattern from the side which enables seeing.



IC		Q345	D-8	Q517	C-4	D408	B-5
		0349	E-9	Q519	C-4	D410	C-5
1	A-9	Q350	D-8	Q520	B-4	D411	B-6
1	B - 10	Q351	D-8	Q522	E-5	D421	C-5
1	B-8	Q352	D-8	Q524	A-5	D422	C-5
1	A-5	Q361	F-8	Q525	A - 4	D425	C-5
- 1	E-9	Q363	G-9	Q526	A-3	D426	C-6
	D-6	Q364	D-8		1	D427	8-6
- 1	E-4	Q367	E-8	DIC	DE	D500	G-5
507	D-4	Q368	E-8	D101	B - 10	D501	G-2
		Q369	E-8	D102	B-9	D502	E-2
RANSIS	STOR	Q375	D-8	D103	B-9	D503	C-2
	A - 9	Q401	B-6	D107	B-9	D504	D-2
2101		0402	B-6	D200	A-4	D505	E-1
1113	C - 10 A - 7	Q403	B-6	D301	G-8	D506	D-2
201	A-6	0405	C-6	D302	F-9	D507	G-5
301	G-8	0407	C-7	D303	F-7	D508	G-5
1302	G - 10	0409	D-7	D304	G-7	D509	G-5
1303	G-6	Q417	C-6	D307	G-8	D510	F-5
304	G-6	Q418	B-5	D309	G-8	D512	D-2
305	G – 8	Q419	C-6	D310	G-8	D513	E-5
306	G - 7	0420	C-6	D311	G-9	D514	E-4
307	G-8	Q421	B-5	D315	E-8	D515	F-1
2309	G-8	Q422	B-5	D317	D-9	D516	F-5
2310	G - 7	Q423	C-5	D320	D-9	D517	D-4
2312	G-8	0424	C-5	D322	D=9	D518	E-5
2313	G-8	Q428	D-6	D323	C = 9	D519	C-4
2315	G-8	Q431	B-5	D324	E-9	D522	A-4
2318	G-8	Q434	C-5	D325	D-8	D523	A-2
2319	F-7	Q439	C-6	D326	E-9	D524	C-2
2321	G-8	Q443	C-5	D333	D-8	D525	C-2
1323	G - 10	Q444	B-5	D337	E-8	D526	B-4
325	F-8	Q500	F-2	D344	D-8	D527 D528	B-3 A-1
2326	F-6	0501	D-2	D345	E-7	D529	A-2
1327	F-6	Q502 Q503	D-3 B-3	D346	E-7	D530	A-1
328	G - 9	Q505	E-5	D347	E-7	D530	A-4
1329	G - 9	1	B-4	D353	D-8	D532	A-4
2330	F-9	Q506 Q507	E-5	D354	B-7	D532	G-1
2331	F-9		ł	D355	C-7	D534	B-4
332	G - 10	Q508	C-4 G-5	D363	E-8	D536	A-5
2333	D-9	Q509	1 -	D364	E-8	0000	^-5
2334	F-9	Q511	F-2	D401	B-7		
2336	E - 10	Q512	A - 1	D404	D-6	VAR	ABLE
2337	E - 10	Q513	A - 1	D405	B-5		
2338	C-9	0514	B-4	D407	D-7		STOR
2339	D - 8	Q515	B-2		1	RV501	B-2





UCTOR SIDE

B - 8

E-9

D - 6

E - 4

D-4

C - 10

A - 7

A - 6

G - 8

G-6

G-6

G - 8

G - 7

G - 8

G - 8

G-8

G - 8

G-8

G - 8

G-8

G - 10

F-6

F-6

G-9

G - 9

F-9

G - 10

D-9

E - 10

E-10

C-9

G - 10

NSISTOR

IC

Q345

Q349 Q350

0351

Q352

0361

0363

0364

0367

0368

0369

Q375

Q401

0402

Q403

Q405

0407

0409

0417

Q418

Q419

Q420

Q421

Q422

Q423

Q424

Q428

Q431

Q434

Q439

Q443

0444

Q500

Q501

Q502

Q503

Q505

Q506

0507

Q508

Q509

Q511

0512

Q513

Q514

0515

E-9

D-8

D-8

D - 8

F-8

G - 9

D - 8

E - 8

E-8

E – 8

D - 8

B-6

B-6

B - 6

C-6

C - 7

D-7

C-6

B - 5

C-6

C-6

B - 5

B-5

C-5

C-5

D-6

B - 5

C - 5

C-6

C-5

B - 5

F - 2

D-2

D-3

E-5

B - 4

E-5

C - 4

G-5

F-2

A - 1

B - 4

B - 2

Q517

Q519

Q520

Q522

Q524

Q525

Q526

D101

D102

D103

D107

D200

D301

D302

D303

D304

D307

D309

D310

D311

D315

D317

D320

D322

D323

D324

D325

D326

D333

D337

D344

D345

D346

D347

D353

D354

D355

D363

D364

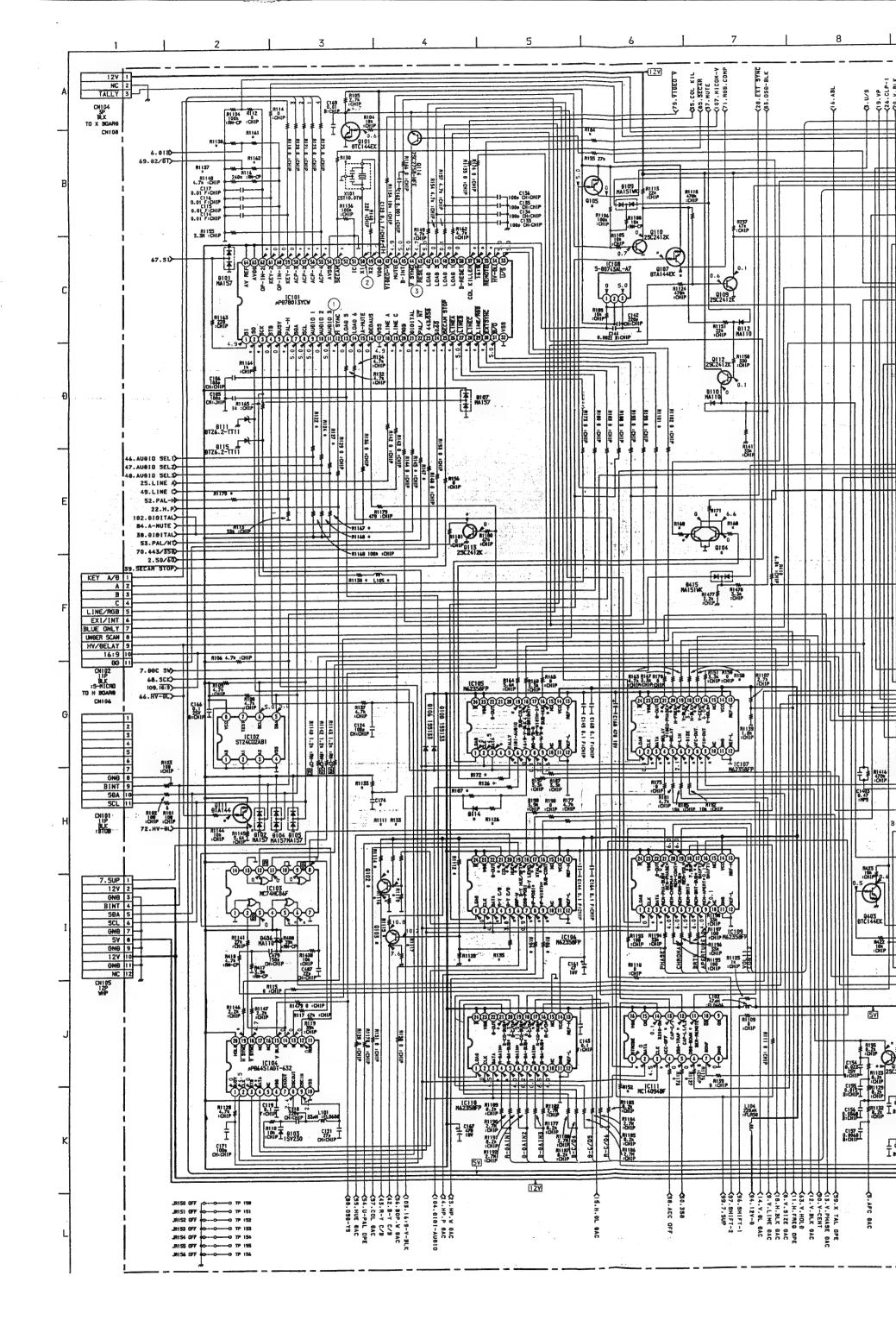
D401

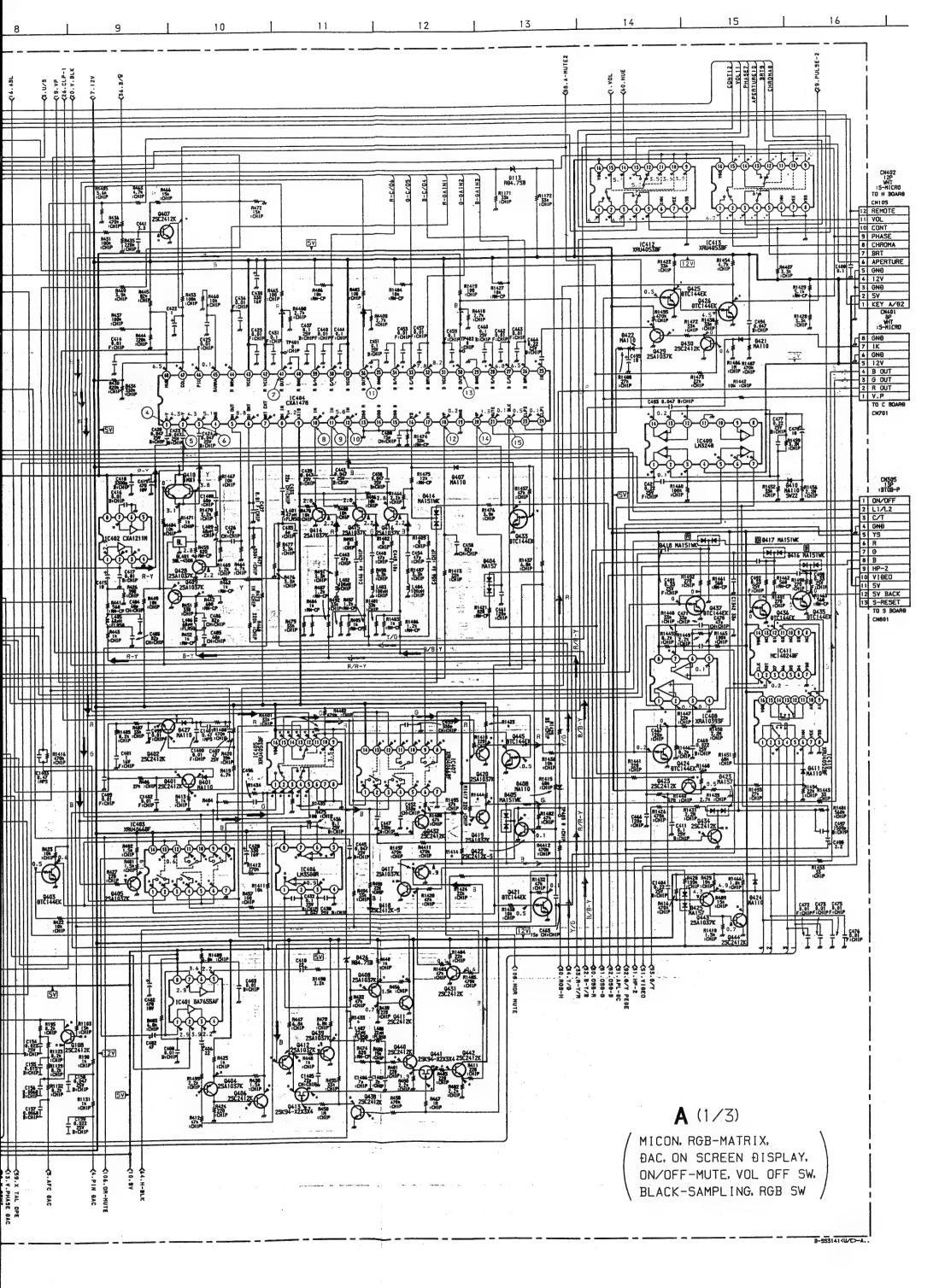
D404

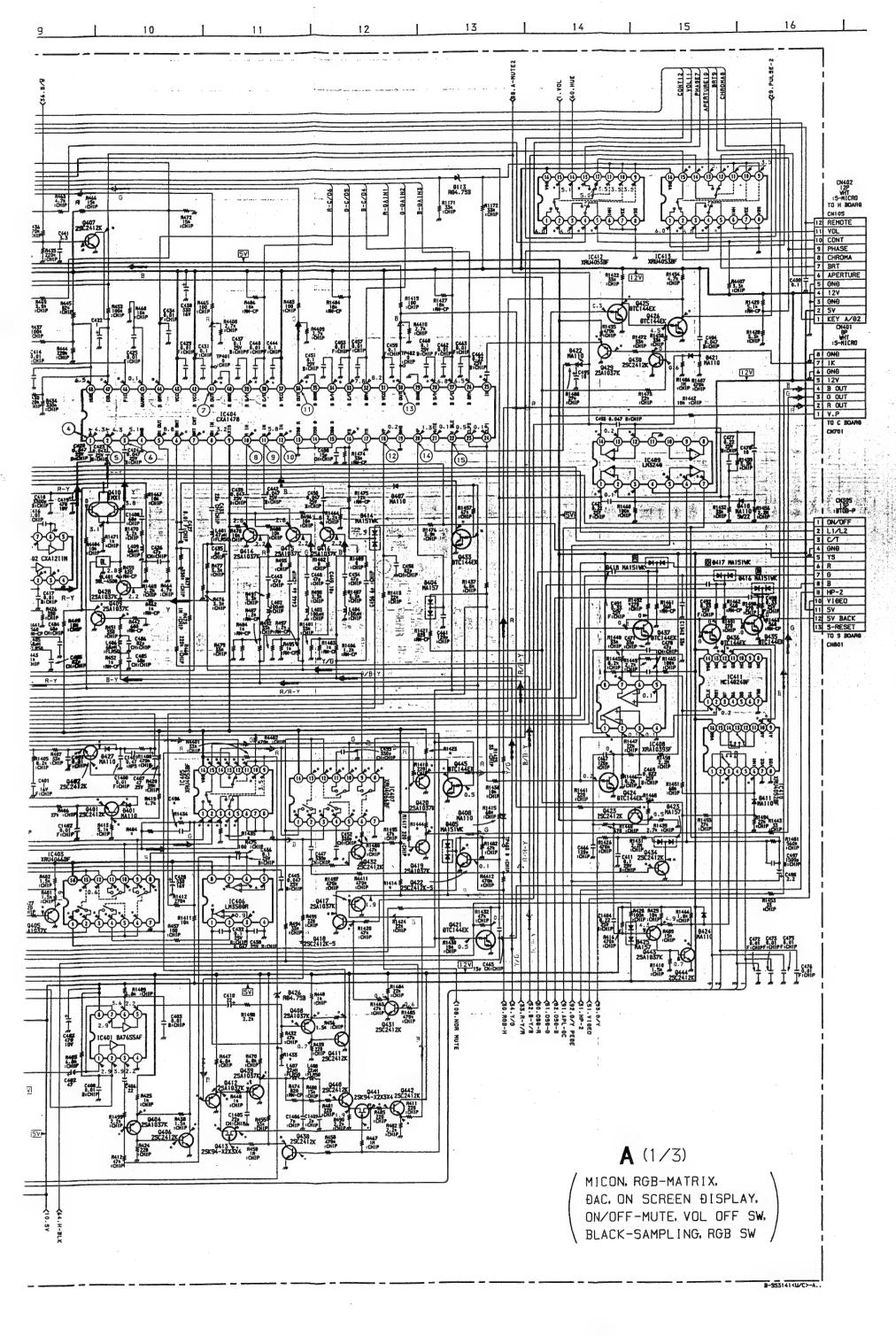
D405

D407

DIODE







. A ROARD WAVEFORMS

• A BOARD WAVE	EFORMS	
1) 4.3 Vp-p(H)	2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3 4.8 Vp-p (V)
(A) 14 (14) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	(4) http://www.ntscs.se.4.45 0.28 Vp-p (H) 5-V10EQ 0.35 Vp-p (H)	5 30,45 Vp-p (H) SECAN 0.5 Vp-p (H)
S May May May May Misca 342 Vp-p (H) Misca 343 Vp-p (H)	5) -4/Mh/Mh/h 5-41960 0.45 Vp-p (H)	6 0.57 Vp-p(H) secam 0.45 Vp-p(H)
6 1 4 Vp-p (H)	7 2.4 Vp-p (H) SECUM 2.3 Vp-p (H)	TSC3.58 Vp-p (H) NTSC4.43 Vp-p (H) 2.2 Vp-p (H)
7 	⑦	® AMALOS 200 p-p (H)
9		PAL 2.6 Vp-p (H) SECUM 2.5 Vp-p (H)
10 H1563.58 2.4 Vp-p (H) 2.5 Vp-p (H)	1) 	(H)
4.6 Vp-p (V)	1.8 vp-p(H)	C V 2 V 2 (H) q-qv 8 . 12 mg (H) q-qv 8 . 17 mg (H) q-qv 7 . 12 mg (H)
(H) 4-9 (P)	(3) (MM) (H)	3.7 Vp-p(H)
(<u>)</u>		Part Value

A BOARD

Ref	Ref LOCATION		PVM- 1351Q/1354Q	
C174	H-3	-	47P	
C496	H - 10	-	82P	
CN104	A-1		3P	
CN105	1-1	-	12P	
D114	H-4	- ,	MA110	
D426	J-11	-	RD4.758	
L105	F-3	-	100 µ H	
Q102	1-3	-	2SA1037K	
Q103	1:-3	-	2SA1037K	
Q104	E-7	-	MXIT110	
Q105	8-5	-	DTA144EK	
R107	H-4	-	4.7K	
R122	0-3		•	
R124	D-3	_	•	
R126	G-5		•	
R127	D-3		0	
R130	8-3	150K	120K	
A133	H-3	-	56K	
R135 R145	1-5	-	33K	
	D-4	,		
R147 R152	E-4 J-6	_		
R156		_		
R158	E-4 G-7	_		
R168	E-7	_	33K	
R169	E-6	_	270K	
R171	E-7		180	
R172	G-4	l <u> </u>	. 0	
R174	8-4			
R164	8-5	_		
R186	1-5	_		
R194	1-5	_		
R404	H 10	_	150	
R1101	D-6		0	
R1111	H-3	_	4.7K	
R1112	H~4	_	4.7K	
R1114	H-3	-	1K	
R1115	1-3	-	1K	
R1116	1-3	-	12K	
R1117	1-3	-	9.8K	
R1119	1-3	-	82K	
R1120	1-4		47K	
R1126	H-4	-	470	
R1127	J-6	-	0	
R1130	F-3	-	1K	
R1133	H-3	-	. 6.8K	
R1137	A-2	-	1010	
R1138	A-2	-	22K	
R1161	A-2	-	166	
R1162	A-2	-	470K	
R1167	E-3	-	10010	
R1168	E-3	-	100K	
R1169	E-3	_	100K	
R1170	E-2		47K	
R1173 R1414	J = 6 H = 12	2.2K	0 3.3K	
R1414	H - 12	2.2K 2.2K	3.3K	
R1433	G - 12.	-	3.3K	
R1434	H - 10		580	
R1435	H - 10	_	1.8K	
	11 - 10	2.2K	1	

~: NOT MOUNT

A BOARD * MARK

	PAL	SECAM	NTSC 3.58	NISC 4.43	S-VIDEO	ANALO: RGB
IC101 (2)	2.3	2.4	2.2	22	2.0	2.3
⑤	4.1	3.4	0	0.1	0	С
(3) (9)	3.4	3.5	3.5	35	3.1 4.8	3.5
- 	0	5.0	0	3	0	4.9
49	5.0	5.0	0	5.0	0	0
70 23	5.0	5.0 5.0	0	0	0	0
00	0.1	0	0.1	0.1	4.9	0.1
38 33	5.0	5.0	5.0	5.0 5.0	4.9	5.0
Ġ	5.0	5.0	5.0	50	5.0	0.1
39 38	42	4.1	4.6	5.0	3.9	3.7
9) 33	0.3	0,1	0.1	07	0.1 4.2	0.1
33	4.0	3.4	3.6	37	3.9	40
<u>\$</u>	3.0	0.9	1.0	23	3.1	2.2
59	3.6	3.0	2.9	3.2	3.9	4.0
IC103 ®	0.2	1 4.0	0.2	0.2	2.9	4.0
IC!04 @	2.3 3.5	2.3 3.5	3.5	3.5	2.0	2.3 3.5
IC105 ③	2.3	2.3	2.2	22	0	2.3
(3) (8)	2.5	2.7	2.7	26	2.8	2.5
(3) IC106 (3)	5.4 2.3	5.4 2.3	5.4	5.4	6.6 2.1	8.1 2.3
(\$)	5.4	5.4	5.4	5.4	4.1	5.4
①	7.8	7.8	7.8	7.7	0.6 5.5	7.8
(9)	5.1	5.1	5.1	5.1	4.0	5.1
139	3.1	10.5	10.5	3.1	10.9	10.5 2.5
- 10	2.4 6.3	4.6 6.3	2.1	9.0	2.1	3.2 3.7
. 30	3.6	3.5	4.8	13.6	4.3	9.5
© IC107 ②	0.8 4.6	1.8 4.5	0.4	0.3 4.5	2.4 4.4	3.1 4.5
3	2.3	2.3	2.2	9	2.1 3.3	0
(4)	2.8	2.8 1.4	1.4	1.4	2.3	1.4
6	2.9	2.9	2.9 2.6	2.9	2.1	2.9
(9)	2.9	2.9	2.9	2.9	2.6	2.9
(b)	2.6 3.2	3.2	5.4	5.4	2.8 5.3	2.8 5.4
3	4.5 6.3	4.6 6.3	5.0 6.1	5.0 6.1	3.7 6.0	5.0 6.1
IC109 (2)	4.6	4.5	4.5	4.5	4.4	4.4
9	2.3	2.3	2.2	2.2	21	2.3 0.1
	.11.9	11.9	0.1	0	0.1	1.1.8
C110 (3)	7.2	7.2	7.2	7.2	2.0 8.3	2.2 7.2
· · · · · · · · · · · · · · · · · · ·	5.8 11.9	5.8 11.9	5.8 11.9	5.8 11.9	6.2 7.8	5.8
0	0	7.9	7.9	7.9	7.8	7.9
(C111 (D)	3.7 0.3	3.7 0.3	3.5 0.3	3.5 0.3	3.5 0	3.6 0.3
0	0.2	0	0.1	0.1	0.1	0.1
0	5.0	5.0 5.0	5.0	5.0	0	5.0
IC402 ②	3.1 ec.	2.3	2.9	3.0	3.0	3.6
•	2.9	2.9	2.9	0	2.9	2.9
IC403 ①	1.2	0.8	0.8	0.B 0.B	1.2	0.9
3	1,4 0.8	1.3 0.8	0.9	0.9	0.8	1.4
③	0.6	0.5	0.6	0.6	0	0.6
(6) (9)	1.0	1.0	1.0	10	0.6	1.1
9	1.6	1.5	1,1	• 9	1.4	1.6
0	0.9	1.4	1.0	: 0	0.8	1.5
(D)	0.6 3.0	0.6 3.0	0.6 3.0	0.6 3.0	0 4.5	0.6
0	4.9	4.9	4.9	4.9	4.7	6.1
(9	5.6 5.6	5.6 5.6	5.6 5.6	5.6 5.6	5.6	5.8 5.8
Œ	0	0.1	0	0	0	4.4 3.6
Ø	7.1	6.6	8.0	30	7.7	7.9
Ø:	7.0	7.3	1.2 8.1	1.J 7.8	7.8	7.8
Œ	1.4 - 24	1.3	1.2	: a ·	1.2	1.5
	7.8 6.9	7.8	7.7	7.8	7.6	7.7 7.6
()	1.2 ·	1.2	1.0	0	1.2.	1.3
(i)	7.2 7.2	7.2	7.2 7.2	2 2	6.9	7.2 7.0
69	6.6	66 1.5	6.5 1.1	t.6	5.5	0
1C405 ① -	1.6	1.4	0.9	0	1.2:	1.5
(g) (e)	1.2	1.3	0.9	0	1.1	1.2
(3)	1.3	1.3	1.0	Ú	1.2	1.4
(0)	0.5 0.5	0.5 0.5	0.5	.3	0.3	0.2
<u>Q</u>	1.2	1.2	0.8	. 3	1.2	1.3
· G	1.2	1.2	8.0	.2	1.2	1.3
(\$: :C406 (1)	4.8	5.1	1.0	.3	1.2 4.5	1.5
(1)	8.0	0	0.9	. 9	0.8.	1.0
(S) (C)	1.0	1.0	1.0	.0	9.0 8.0	1.1
(C407 (C)	5.1	5.1	4.9	: 9	4.9	5.: 1.3
3	0.4	- 0.1	0.5	.3	0-	0.5
(4)	0.6	0	07	5	0.5	1,4
(\$)	2.0	1.8	2.0	2.0	2.0	20
(§)	11.7 5.5	10.7 5.5		11.3 1.5	11.7 5.4	11.2 95
9	5.5	5.5	5.5	: 5	5.4	£ <u>2</u> ∶ <u>5</u>
19 U	0.6	7.4 - 0.1	0.7	3 6	0.5	CE
(2)	2.0	1.7	2.0 2.0	0	2.0 2.0	2.6
4 <u>\$</u> (0, 60%)	31	29	2.9	1	3 -	3/4
rasje (§)	4.1	88	9.0	- 1	9	4 '
3	Ú	9.6	0.4	. 3	0.3	10
	5.9	59		-)		
· 61	5. 9	59		.0		9.9
	5.9 5.9	5.9 5.9 1.8	53	0 0 2	50	5.9

	PAL	SECAM	NTSC	NTSC	S-VIOEO	ANALOG
		1	3.58	4.43		RGB
IC410 ①	3.5	1 40	4.0	40	0	3.9
(2)	3.0	3.1	2.4	3.1	0	40
(Q)	13	0.7	1.4	1.6	2.3	1.5
(4)	3.5	3.6	3.0	3.8	3.9	3.9
. 0	0.5	1.3	1.1	1.1	3.1	1.7
(6.	4.0	40	4.0	3.9	0	0
(﴿)	0	2.0	1.9	1.8	2.5	1.4
13	2.0	2.3	2.3	2.0	1 18	3.0
10411 (t)	4:	4.0	3.9	3.8	1 42	4.1
0	1.6	2.0	1.9	1.8	2.5	1.3
10	1 2.0	2.3	2.2	2.1	1.8	3.0
IC412 15	0.4	0.5	1 0.4	0.4	5.9	0.5
.21	8.9	8.9	8.9	8.9	8.9	8.3
- \$)	9:0	8.9	9.0	8.9	8.9	8.3
12	5.0	6.0	6.0	6.0	5.0	0
- 2	0.4	0.5	0.4	0.4	5.9 **	0.5
C413 (2)	1 73	8.0	i 8.0	8.0	0.1	6.9
(4)	1 0	5.5	5.5	5.5	5.4	0
5)	5.5	5.5	5.5	5.5	5.4	9.5
1.5	3.1	3.1	3.1	3.1	. 0	5.1
1 3	31	31	3.1	3.1	60	5.1
- 42	7.9	7.9	8.0	7.9	6.3	6.9
C102 8	10.9	10.9	10.9	10.9	10.7	10.9
C 102 8	3.:		8.1	8.1	0.7	8.1
				11.5	11.3	11.5
			1 11.5			
2104-1 8			- 0.2	0	0	- 0.2
0107 8	1 5.0		5.0	5.0	5.0	0.1
	1 0		0	0	0	5.0
0108.0		2.5	2.6	1 2.0	29	2.5
Ε	2.5	2.6	2.5		2.9	2.5
CIII B	5.0	5.0	0		49	4.9
С		0.4	C		0.4	0.4
Q113 C		4.3	4.2	4.2	3.8	- 4.0
		0.8	1.5	1.6	1.2	1.0
C	7.5	5.5	5.0	5.2	8.4	10.0
		1.5	3.2	3.4	3.1	. 1.0
Q402 B	0.5	0.5	0.5	0.5	2.4	0.5
	9.5	7.7	8.1	7.4	10.4	6.9
. 5	1.4	1.6	3.2	3.3	3.2	1.0
Q404 B	5.3	4.1	4.9	5.2	5.3	- 5.2
E	6.1	6.3	6.0	6.1	6.1	5.2
G405 B	1.3	1.3	1.2	1.1	. 1.2	1.4
Q406 B	0.7	0.7	0	0.7	0.7	0.7
C	1.6	1.5	1.0	1.5	1.4	. 1.6
Q407 B	0	0	0	0	0	0.6
6	6.6	6.6	6.6	6.6	5.4	0
Q408 B	5.3	4.7	4.9	5.0	5.2	5.2
E	6.0	6.2	5.9	6.1	6.0	6.1
Q409 8	1.9	1.6	1.6	1.6	1.7	1.6
E	2.0	2.2	2.2	2.2	2.3	- 2.2
Q411 C	1.4	1.4	0.9	1.3	1.3	1.4
Q412 B	1.3	1.3	1.0	1.3	1.1	1.4
E	2.0	1.9	1.7	1.9	1.8	2.0
0413 G	2.0	- 15.1	1.6	- 2.2	1.8	- 2.1
0	2.0	1.9	- 4.3	0	2.2	2.0
S	20	1.9	1.7	1.9	1.8	. 20
	1,4	1.4				1.4
Q417 B	2.1	2.1	1.7	1.2	1.7	20
Q419 6	1.4	1.4	1.2	1.1	1.2	1.5
C419 6	2.0	1.9	1.7	1.7	1.8	2.0
C420 8	1.2	1.2	1.6	1.0	1.2	1.3
0422 0	1.8					1.9
0422 C	2.1	2.1	1.7	1.7	1.8	2.0
0423 8		0.3	0.4	0.4	0.4	0.2
C425 C	4.5	4.5	4.5	4.5	4.7	4.5
C426 C	0.8	0.8	0.7	0.7	0.7	0
0429 8	0.1	0.8	0.4	0.4	0.1	0.1
E .	0	- 2.3	- 1.2	- 1.2	0.4	0.4
0432 8	- 0.3	- 3.8	- 3.4	-27	-0.1	- 3.9
C	11.9	11.6	11.8	11.8	12.0	11.5
O433 B	0	- 0.1	0	0	0	2.7
C 1	3.0	3.0	3.0	3.0	4.5	0
Q434 B	-0.1	0	0	0	-0.1	0.4
C.	36	4.7	4.5	4.8	2.9	0
		- 2.9	- 3.1	-24	0	- 2.4
0438 8	- 0.4		11.7	11.7	11.5	11.7
C	11.7	11.4				
C Q439 B	11.7	1.9	1.8	1.7	1.9	2.0
C	11.7 2.0 2.5			1.7	0	2.5
C C C C C C C C C C	11.7	1.9	1.8			
C Q439 B E	2.0 2.5 2.6	19 I	1.8	2.4	0	2.5
C C C C C C C C C C	2.0 2.5 2.6	2.5 I	1.8 2.4 2.5	2.4	0	2.5
C Q439 B E Q440 B Q44 G	11.7 2.0 2.5 2.6 1.1 2.0	1.9 2.5 2.5 -13.0	1.8 2.4 2.5 1.7	2.4 2.5 - 4.6	0 2.4 0	2.5 2.7 - 0.7 2.0
C Q439 B E Q440 B Q44 G D	11.7 2.0 2.5 2.6 -1.7	25 25 -130 19	1.8 2.4 2.5 i.7 - 8.1	2.4 2.5 - 4.6 1.9	0 2.4 0 1.8	2.5 2.7 - 5.7
C Q439 B E Q440 B Q44 G C S Q442 B Q442 B	2.0 2.5 2.6 - 1 2.0 2.0 2.0 2.0 2.0	1.9 2.5 2.5 - 13.0 1.9 1.9	1.8 2.4 2.5 1.7 -8.1 1.6	2.4 2.5 - 4.6	0 2.4 0 1.8	2.5 2.7 - 0.7 2.0 2.0
C C C C C C C C C C	2.0 2.5 2.6 - 1 2.0 2.0 2.0 2.0 2.0	1.9 2.5 2.5 1.30 1.9	1.8 2.4 2.5 1.7 - 8.1	2.4 2.5 - 4.6 1.9 1.9	0 2.4 0 1.9 1.8 1.1	2.5 2.7 - 0.7 2.0 2.0
C Q439 B E Q440 B Q441 G C C C C C C C C C	25 ; 25 ; 26 ; -:	1.9 2.5 1.30 1.9 1.9 1.9	1.8 2.4 2.5 1.7 - 8.1 1.6 1.1 0.7	2.4 2.5 - 4.6 1.9 1.9 1.1 0.7	0 2.4 0 1.8 1.8 1.1 0.7	2.5 2.7 - 0.7 2.0 2.0 2.1

Schematic diagram

Schematic diagram

	MOTI	PVM-1350	PVM- 1351Q/1354Q
	- 3	-	DTZ6.2
	3 – 5 J – 7	_	MA151WK 1S2835
	G - 7	MA110	-
	A - 8 J - 10		MA100 MA157
	J - 10	-	MA157
	I = 14 C = 11	_	ISV230TP HR3 MA151WK
	H - 14	-	1SV230TP HR3
	8 - 11 1 - 15		MAT10 MAT10
	J - 16	-	MA110
/ /	8 - 13 H - 15	_	MA110 MA110
41	A - 12	-	DTZ3.6A
344 3348	E-12	-	MA151WK MA157
D349	J-0	-	MA157
D350 D351	J-0 K-0	7_	MA157 MA157
D352	J - 9	_	MA157
0353	K - 9	-	MA157 MA157
D354 D355	K-9	-	MA157
D362	8 - 12	-	RDIOSBI
D363	8 - 12 8 - 12	_	RD10SB1 1S2835
D365	8 - 6		MA110
FL300 FL401	8-3 8-4	-	0
IC301	H-5	-	BA7655AF
IC303 IC313	H-14 C-6	MM1148XFF	CXA1214P MM1149XFF
IC315	8 - 12	-	XRU40538F
IC316 IC317	8 - 2 8 - 9	-	MM1148XFF MC1458BF
JR306	8-3	0	-
L301 L302	I - 13 I - 15		15µH 15µH
L303	1-14	-	39µH
L304 L306	H 15 G 14	<u>.</u> .	15 µH 39 µH
L307	H - 13	~	15 µH
L317 L319	C-9 B-3	_	18mmH 100 uH
Q302	G-2	-	2SA1037K
Q306	D-3	-	2SC2412K 2SA1037K
Q310 Q314	D-4	-	DTA144EK
Q317	G-7	2SC2412K	DTC144EK
Q323 Q324	E-6	-	DTC144EK
Q328 Q332	H-7 H-8		2SK94 DTC144EK
Q332 Q333	C-8	-	2SC2412K
Q334	1 – 12 8 – 8	-	2SA1037K 2SC2412K
Q335 Q336	1-13	-	2SC2412K 2SK94
Q337	1 - 13	-	2SC2412K
Q338 Q346	C - 10 I - 15	-	2SA1037K 2SC2412K
Q347	G - 15	-	DTC144EK
Q348 Q349	I 16 H 16		2SA1037K 2SA1037K
Q355	B - 3	-	2SC2412K
Q356	C-11 1-6	-	DTC144EK 2SC2412K
Q357 Q358	H-3	-	2SC2412K 2SC2412K
Q359	H-3	-	2SA1037K
Q362 Q366	E - 12 B - 13	-	2SC2412K 2SA1037K
Q367	8 - 13	-	2\$A1037K
Q368 Q369	8 13 8 12	-	2SA1037K DTA144EK

O:TO BE MOUNT

Ref	LOCATION	PVM-1350	PVM- 1351Q/1354Q
R301	D-9	_	100
R303	E-9	-	100
R305	K-13	-	0
R308	K - 13	-	0
R311	K-7	-	1.8K
R319	1-5 J-7	-	6.8K
R332 R333	J-7	_	100K 100K
R337	J-15	_	10K
R338	J-15	_	Sek
R330	J-13	-	8.2K
R340	J-14	_	47K
R341	J-15	-	8.2K
R343	J-14	-	82K
R344	J 13	-	. 120K
R347	J = 13		4.7K
R348	1-12	-	180
R340 R351	J-7 J-7	_	82K 3.3K
R352	1-15	_	10K
R353	1-13	-	1K
R355	1-13	-	2.7K
R356	J-14		3910
R357	J-7	_	1M
R358	1 - 13	-	1.5K
R359	1-15	_	4.7K
R360	1-13	-	390
R361	J-1	-	100
R362	1 - 12	-	5.6K
R363	1-13	-	470K
R364	1-14	-	470K
R367	1~15	-	1.2K
R368	H - 12	-	1K
R371 R372	H - 18 H - 12	_	6.8K
N372 R373	H-2	_	1.5K 560
N373 R374	a-2	_	880
R375	H-15	-	1.5K
R379	H = 18	-	6.8K
R380	G-2	-	4.710
R381	H-7	-	39K
R383	H - 15	-	3.3K
R384	H - 15	-	10K
R385	H - 13	-	4.7K
R389	G-2	-	560
R391	H-14	-	470K
R395	Q-2	-	580
R396	G - 14 G - 13	_	470K
R1301 R1302	G - 13	· -	150 150
R1303	G-14	-	390
R1315	5-2	-	100
R1321	D-3	_	820
11322	D-3	_	2.2K
31324	D-3	_	3.3K
11325	G-3	_	1.1K

A BOARD * MARK

10301 (f) (f) 10302 (f)	2.8		NTSC 3.58	NTSC 4.43	S VIDEO	P-38	į.	PAL	1
(C302 (i)		0	2.9	3.0	30	2.3	IC326 10	5.2	T
	2.0	0	1.5	1.7	1 1.7	3.5	13	62	Τ
	2.9	29	2.9	0.3	2.9	2.9	14	6.2	I
(\$)	5.3	51	4.5	45	4.5	45	(C350 (L	6.6	1
1417	10.5	8.4	0	0	0	Ü	(2)	6.2	1
1C303 T	01	2.6	0.6	2.2	26	2.9	0300 B	62	+
15 1	39	2.8	3.1	0.6	3.3	39	00.70	2.5	+
IC304 (4)	22	2.5	2.2	2.2	2.2	2.2	C	10.2	+
2	94	01	9.4	94	3.4	9.4	G391 E	9.6	+
10	7.3	7.3	2.5		26	25	G303 E	5.7	+
	7.3	73	2.5	25 26	2.5	2.5	Q304 B	63	+
14	1.9	1.3	2.2	2.2	2.2	22	=	57	t
15	2.5	2.5	2.2	2.2	2.3	2.2	0305 8	8.6	†
10305 (1)	2.8	2.9	2.8	0	2.8	29	5	79	T
(41	2.5	1,1		2.4	2.4	1.3	0307 5	1.4	T
20	41	4,1	4.1	4!	4.2	45	Q309 B	1.4	T
(%)	0.4	0.2	O.	0	1 0	0:	0	0.1	Τ
10	2.6	26	2.5	2.4	2.5	2.7	E	0.7	I
97	0	0	0.8	0.8	0.9	0.9	0312 C	8.2	I
\$\$	2.1	2.7	1.9	1.9	1.9	2.7	0313 B	8.2	Ι
1C306 (D	8.1	8.1	8.1	8.1	8.1	0	E	8.8	Ι
(1)	0	0	0	01	0.1	4.4	0314 8	11.9	1
IC309 ①	36	0	3.6	3.6	3.6	3.6	С	0	1
(b)	0	0	0	0	0	4.4	Q315 B	3.3	1
IC310 (i)	5.2	6.2	6.2	6.2	6.2	5.9	ε	3.9	1
(1)	6.3	6.3	6.2	6.2	6.2	5.9	0318 9	12.1	1
12	5.9	5.9	6.0	6.3	5.9	5.9	С	1.0	1
C311 ()	0	6.2	6.2	6.2	6.2	62	Q322 B	2.4	1
(2)	6.2	6.2	6.2	6.2	6.2	5.9	E	1.8	1
<u> </u>	6.2	6.3	6.3	6.2	6.2	5.9	0323 8	5.0	+
(6)	3.3	3.3	2.9	2.9	2.9	0	C	0	+
30	5.9	5.9	5.9	6.2	5.8	5.9	O324 8	4,1	+
13	04	0.4	0.4	0.4	0.5	0.7	C	0	1
C312 (3)	3.6	0	3.6	3.6	3.6	3.6	O328 B	2.2	+
(A)	0	0	0	12.0	0.1	45	Q329 D	2.8	+
C313 ①	0	6.3	7.6	6.3	6.3 3.0	6.3	Q329 D	0	+
(A)		0	0	0	2.9	0.1	0332 B	4.9	+
C315 (0	0.4	0.4	0.4	0.4	0.4	0.6	C	0	+
∞.5 ⊕	0.6	0	0.6	0.6	0.6	0.6	0333 В	1.7	+
(9)	9.4	9.3 -	9.3	9.2	9.3 -	.9.4	E	1.5	t
0	2.5	2.5	2.5	2.5	2.5	7.2	0336 G	4.7	†
19	0.4	0.4	0.4	0.4	0.4	0.6	0	4.3	T
49	04	0.4	0.4	0.4	0.4	0.6	Q339 B	12.3	T
C317 (a)	2.0	0	2.0	2.1	2.0	12.0	0347 B	0.1	T
(0)	12.0	0	12.0	12.0	12.0	12.0	C	9.4	T
9	10.7	10.6	10.6	10.6	10.5	10.7	0349 B	2.8	Τ
13	9.4	9.4	9.4	9.4	9.1	94		3.4	Τ
C318 CD	11.5	11.5	0	11.4	11,4	11.4	Q354 B	12.0	I
K320 €	6.3	6.3	6.3	6.3	6.3	0	- E	12.0	1
2	3.0	0	0	3.1	0	0	Q358 E	2.2	+
•	0	0	0	0	3.3	0	0360	6.2	+
IC321 (D)	0	0.1	0.1	0	2.9	0	3	6.2	+
(b)	0	0	0	0	0.1	2.7	Q361 B	4.9	+
IC322 (5)	5.8	5.9 6.3	6.0	6.3 6.2	5.9 6.2	5.9	C C	0.1	+
IC323 (5)	6.2		5.6	5.6	5.6	5.6	Q362 C	9.0	+
O IC324 (S)	6.2	5.6 6.2	6.2	6.2	6.2	5.9	0364 C	3.3	+
C326 ①	5.9	5.9	6.0	6.3	5.9	5.9	0365 B	0.4	t
(2)	5.9	5.9	5.9	6.2	. 5.8	5.9	Q369 B	0.8	t
3	5.9	5.9	5.9	6.2	5.8	5.9	Q372 B	0.0	t
6	1.7	1.9	1.6	1.6	2.1	2.1	C C	11.7	+
(b)	2.4	1.9	2.3	2.3	2.3	4.6	Q374 B	10.4	+
0	0	- 0.1	10.8	0	- 0.1	0	C314 B	0.4	t
(B)	6.3	6.3	6.3	6.3	6.2	5.9	Ε	6.4	+
(b)	6.3	6.3	6.3	6.3	6.2	5.9	Q375 B	10.7	t
13	6.3	6.3	6.2	6.2	6.2	5.9	C	0	۲
49/1	0.5	1 0.0	٥.٠	0.2	V-2	ψ.5	E	6.2	+

				•.
	Ref	LOCATION	PVM-1350	PVM- 1351Q/1354Q
	R1326	D - 3	-	10K
	R1327	B - 12		10K
	R1358	C-5		8.2K
	R1362	B-4	-	11K
	R1364	8-5		100
	R1382	E-8	-	10K
	R1398	A - 8	0	~
	R2302	A = 8	-	6.814
.	R2303	B~8	-	388
	R2304	B-6	-	220K
	R2305	A-8	~	33K
	R2310	A - 8	-	82K
	R2313	8-9	-	1K
	R2314	C-9	-	560
	R2318	C - 10	0	6.8K
			1	

R1398 A − 8 0 — R2302 A − 8 — 8.8K R2303 B − 6 — 68K R2304 B − 6 — 220K R2305 A − 8 — 33K R2310 A − 8 — 82K R2311 C − 10 — 560 R2318 C − 10 — 68K R2319 C − 10 — 68K R2311 C − 10 — 68K R2321 C − 10 — 68K R2321 C − 10 — 68K R2321 C − 10 — 68K R2322 C − 10 — 4.7K R2322 C − 10 — 4.7K R2322 C − 10 — 4.7K R2324 C − 11 — 10K R2323 C − 11 — 22K R2343 G − 11 — 22K R2361 G − 11 — 120K R2385 B − 11 —	R1382	E - 8	-	10K
R3315		A - 9	•	-
R3315			-	•
R3315	R2303		-	68K
R3315	1		-	
R3315			-	
R3315			-	
R3315			-	
R3315	R2314		-	580
R3315			0	6.8K
R3315			-	68K
R3315			-	2.2K
R3315			-	
R3315			-	
R3315	1		-	
R3315			-	
R3315			-	
R3315			- 1	
R3315			-	
R3315			-	
R3315				
R3315	1		-	
R3315			-	
R3315	1	1	-	1010
R3315			-	
R3315			-	
R3315			-	1010
R3315			- 1	
R3315			-	
R3315	R3306	C - 14		10K
R3315	R3314		0	-
R3318	R3315		4.7K	-
R3319 G - 7 4.7K - R3320 A - 12 - 33K R3321 G - 7 12K - R3322 G - 7 10K -	R3316	G - 7	4.7K	-
R3320 A - 12 - 33K R3321 G - 7 12K - R3322 G - 7 10K -			4.7K	-
R3321 G = 7 12K = - 10K = -	R3319	G - 7	4.7K	-
R3322 G - 7 10K -	R3320			33K
	R3321		12K	-
R3334 E - 12 - 10K R3335 B - 9 - 470K R3336 K - 12 - 68K R3340 K - 13 - 120K R3344 I - 13 - 22K R3345 I - 13 - 220 R3345 B - 13 - 1.2K R3355 A - 12 - 47K R3356 B - 13 - 1.2K R3357 B - 13 - 1.2K R3358 B - 13 - 1.2K R3358 B - 13 - 1.2K R3359 A - 12 - 22K R3360 B - 12 - 10K R3361 B - 12 - 10K R3361 B - 12 - 47K R3362 B - 13 - 11K R3363 B - 13 - 11K R3363 B - 13 - 11K R3363 B - 13 - 11K R3364 C - 11 - 10K R3361 I - 6 - 470 R3362 H - 6 - 820 R3363 H - 4 - 820 R3363 H - 4 - 68K R3364 C - 11 R3365 H - 6 - 22K R3366 H - 3 - 22K R3366 H - 7 0				-
R3335			- 1	
R3339 K - 12 - 68K R3340 K - 13 - 120K R3341 I - 13 - 22K R3345 I - 13 - 220 R3345 I - 13 - 220 R3355 A - 12 - 47K R3356 B - 13 - 1.2K R3358 B - 13 - 1.2K R3359 A - 12 - 22K R3360 B - 12 - 10K R3361 B - 12 - 10K R3362 B - 13 - 11K R3363 B - 13 - 11K R3363 B - 13 - 11K R3363 B - 14 - 470 R3364 C - 11 - 10K R3361 I - 6 - 470 R3362 H - 6 - 820 R3363 H - 4 - 88K R3364 I - 4 - 3.3K R3365 H - 2 - 22K R3366 H - 3 - 22K R3366 H - 7 0			1	470K
R3344 K - 13 - 120K R3344 I - 13 - 22K R3345 I - 13 - 220 R3345 A - 12 - 47K R3356 B - 13 - 1.2K R3357 B - 13 - 1.2K R3358 B - 13 - 1.2K R3358 B - 12 - 22K R3360 B - 12 - 10K R3361 B - 12 - 47K R3362 B - 13 - 11K R3362 B - 13 - 11K R3363 B - 13 - 11K R3364 C - 11 - 10K R3361 I - 6 - 470 R3362 H - 6 - 820 R3363 H - 4 - 820 R3363 H - 4 - 820 R3365 H - 2 - 22K R3366 H - 3 - 22K R3366 H - 7 0] - [68K
R3344	R3340	K 13	i - i	120K
R3345		I - 13	-	22K
R3355 A - 12 - 47K R3356 B - 13 - 1.2K R3357 B - 13 - 1.2K R3358 B - 13 - 1.2K R3359 A - 12 - 22K R3360 B - 12 - 10K R3361 B - 12 - 47K R3362 B - 13 - 11K R3362 B - 13 - 11K R3364 C - 11 - 10K R3361 I - 6 - 470 R3362 H - 6 - 20 R3363 H - 4 - 88K R3364 I - 4 - 3.3K R3366 H - 3 - 2.2K R3366 H - 3 - 2.2K R3366 H - 3 - 2.2K R3360 H - 7 0	1	1 - 13	-	220
R3356 8 - 13 - 1.2K R3357 8 - 13 - 1.2K R3358 8 - 13 - 1.2K R3358 A - 12 - 22K R3360 B - 12 - 10K R3361 B - 12 - 47K R3362 B - 13 - 11K R3363 B - 13 - 11K R3364 C - 11 - 10K R3381 I - 6 - 470 R3382 H - 6 - 820 R3383 H - 4 - 820 R3383 H - 4 - 68K R3385 H - 2 - 22K R3366 H - 3 - 22K R3366 H - 3 - 22K R3300 I - 12 - COIL X300 H - 7 0	R3355	A - 12	-	47K
R3357			-	1.2K
R3358	A3357	B - 13	-	1.2K
R3359	R3358	8 - 13	-	1.2K
R3360 B - 12 - 10K R3361 B - 12 - 47K R3362 B - 13 - 11K R3363 B - 13 - 11K R3364 C - 11 - 10K R3381 I - 6 - 470 R3382 H - 6 - 820 R3383 H - 4 - 68K R3384 I - 4 - 3.3K R3385 H - 2 - 2.2K R3386 H - 3 - 2.2K R3300 I - 12 - COIL X300 H - 7 0	R3359	A = 12	-	22K
R3361 B - 12 - 47K R3362 B - 13 - 1K R3363 B - 13 - 1K R3364 C - 11 - 10K R3361 I - 6 - 470 R3362 H - 6 - 820 R3363 H - 4 - 820 R3364 I - 4 - 3.3K R3366 H - 3 - 2.2K R3366 H - 3 - 2.2K R3300 I - 12 - COIL X300 H - 7 0	R3360		- 1	10K
R3362 8 - 13 - 1K R3363 8 - 13 - 1K R3364 C - 11 - 10K R3361 I - 6 - 470 R3362 H - 6 - 820 R3363 H - 4 - 6 8 K R3364 I - 4 - 3.3 K R3365 H - 2 - 2.2 K R3366 H - 3 - 2.2 K R3300 I - 12 - COIL X300 H - 7 0	R3361	B - 12	- 1	
R3383 B - 13 - 11K R3384 C - 11 - 10K R3381 I - 6 - 470 R3382 H - 6 - 820 R3383 H - 4 - 88K R3384 I - 4 - 3.3K R3385 H - 2 - 2.2K R3386 H - 3 - 2.2K T300 I - 12 - COIL X300 H - 7 0	R3362		-	,
R3384 C - 11 - 10K R3381 I - 6 - 470 R3382 H - 6 - 820 R3383 H - 4 - 88K R3384 I - 4 - 3.3K R3385 H - 2 - 2.2K R3386 H - 3 - 2.2K T300 I - 12 - COIL X300 H - 7 0	R3363	8 - 13	- 1	
R3381			_	
R3382 H - 6 - 820 R3383 H - 4 - 6 8K R3384 I - 4 - 3.3K R3385 H - 2 - 2.2K R3386 H - 3 - 2.2K T390 I - 12 - COIL X300 H - 7 0 -			- 1	
R3383 H - 4 - 6.8K R3384 I - 4 - 3.3K R3385 H - 2 - 2.2K R3386 H - 3 - 2.2K T300 I - 12 - COIL X300 H - 7 0				
R3384 I - 4 - 3.3K R3385 H - 2 - 2.2K R3386 H - 3 - 2.2K T300 I - 12 - COIL X300 H - 7 0			-	
R3385 H - 2 - 2.2K R3386 H - 3 - 2.2K T300 I - 12 - COIL X300 H - 7 0			_	
R3366 H - 3 - 2.2K T300 I - 12 - COIL X300 H - 7 0			- 1	
T300 I - 12 - COIL X300 H - 7 0			_ [
X300 H - 7 0			- .	

O:TO BE MOUNT

•	10	6.2	62	6.2	5.2	5.2	5.9
_;	(C350 (L)	6.6	6.5	54	5.3	5	5.9
-	(2)	62	62	6.2	5.3	6.0	5.4
7	13	6.2	6.2	6.2	5.3	60	6.4
-	0300 B	2.5	2.5	2.2	2.2	2.2	2.2
	C C	10.2	10.2	10.4			
					10.5	10.4	10.5
_		1.9	1.9	1.6	1.5	1.5	1.5
	Q301 €	9.6	85	8.2	8.3	9.5	98
_	0303 €	5.7	5.7	5.7	5.7	5.5	5.7
7	Q304 B	63	6.3	6.3	5.4	6.2	6.3
٦,	F	57	5.7	5.7	5.7	5.5	57
\neg	0305 8	8.6	85	8.2	€3	85	9.8
⊣	E	79	7.9	7.5	7.7		91
						79	
-i		1.4	1,4	1,1	1.2	1,4	2.7
_	Q309 B	1.4	14	1.1	1.2	1.4	2.5
	c	0.1	0.1	0.2	01	0.1	0
1	1 €	0.7	1.6	1.7	18	0	: 8
	0312 C	8.2	82	8.5	8.3	9.3	8.1
7	0313 3	8.2	8.2	86	8.3	8.2	8.1
-	E	8.8	8.8	9.3	9.0	8.9	8.7
\dashv	0314 8	11.9	6.4	11.9	11.9	119	119
-							
-	С	0	11.9	0	0	0	0
	Q315 B	3.3	3.2	2.9	3.1	3.2	3.3
		3.9	3.9	3.5	3.8	3.8	4.0
1	0318 8	12.1	12.0	11.7	11.9	12.1	12.1
_	C	1.0	1.0	1.2	1.0	1.0	0.9
\neg	Q322 B	2.4	2.4	2.3	2.3	5.6	2.4
\dashv	E	1.8	1.8	1.8	1.8	5.0	1.8
-	Q323 B	5.0	5.0	0	0	0	0
				3.5	3.5		3.6
_	C	0	0			3.5	
_	0324 a	4,1	4.2	0	0	0	0
	C	0	0	0.8	0.8	0.8	0.9
_	0328 B	2.2	2.2	2.2	2.2	2.0	1.3
7	C	2.8	2.8	2.8	2.8	0	. 0
	Q329 D	2.1	2.1	2.2	2.4	0	2.2
-	G	0	0	1.6	0	2.9	2.8
-	Q332 B	4.9	5.0	0	4.9	0	:0
-	C	0		4.4	0		4.4
-			0		- 0	4.3	
	O333 B	1.7	1.7	1.9	1.8	1.7	+1.7
_	. E	1.5	15	1.7	1.5	. 15	1.4
_	0336 G	4,7	4.6	4.6	4.7	42	4.8
	. 0	4.3	4.3	4.3	4.3	4.5	:4.3
	0339 8	12.3	12.5	12.5	12.4	12.5	12.3
٦.	0347 B	0.1	4.2	0.1	0.1	0.6	0.1
7	C	9.4	0.1	9.4	9.4	9.4	9.4
٦.	Q349 B	2.8	2.7	2.7	2.7	2.2	2.8
٦.	€	3.4	3.3	3.4	3.4	2.8	3.4
-	Q354 B	12.0	0.6	0	0	0	10
\exists	E	12.0	0.4	ŏ	0	ŏ	- 0.2
Η.		2.2	2.2	0	2.2	2.2	2.2
4			6.2	6.2	6.3	6.1	8.4
40	Q360 1	6.2					
1	3	6.2	6.2	6.2	6.3	6.0	6.4
44	5	1.3	4.7	2.2	4.1 -	5.3	3.8
	Q361 B	4.9	4.9	5.0	5.0	5.0	0.8
] :	- C	0.1	0	0	. 0	0.1	14.9
٦.	Q362 C	9.0	9.0	9.0	9.5	9.2	8.5
			3.3	2.9	2.9	- 2.8	2.9
7	0364 C	3.3					
₹.		3.3		0.3	0.3	0.4	0.4
∃.	Q365 B	0.4	0	0.3	0.3	0.4	0.4
]	Q365 B Q369 B	0.4	0.9	0.8	0.8	0.9	4.9
	Q365 B Q369 B Q372 B	0.4 0.8 0	0 0.9 0	0.8	0.8	0.9	4.9 4.9
	0365 8 0369 8 0372 B C	0.4 0.8 0 11.7	0 0.9 0 11.7	0.8 0 11.8	0.8 0 11.8	0.9 0 11.7	4.9 4.9 0
	O365 8 O369 8 O372 8 C	0.4 0.8 0 11.7 10.4	0 0.9 0 11.7 10.3	0.8 0 11.8 10.1	0.8 0 11.8 10.3	0.9 0 11.7 10.7	4.9 4.9 0 6.4
	0365 8 0369 8 0372 B C	0.4 0.8 0 11.7	0 0.9 0 11.7	0.8 0 11.8 10.1	0.8 0 11.8	0.9 0 11.7	4.9 4.9 0
	O365 8 O369 8 O372 8 C	0.4 0.8 0 11.7 10.4	0 0.9 0 11.7 10.3	0.8 0 11.8 10.1	0.8 0 11.8 10.3	0.9 0 11.7 10.7	4.9 4.9 0 6.4
	0365 θ 0369 β 0372 β C 0374 β C	0.4 0.8 0 11.7 10.4	0 0.9 0 11.7 10.3 0 6.4	0.8 0 11.8 10.1	0.8 0 11.8 10.3	0.9 0 11.7 10.7 6.2	4.9 4.9 0 6.4 6.7
	0365 8 0369 8 0372 8 C 0374 8 C E 0375 8	0.4 0.8 0 11.7 10.4 0 6.4 10.7	0 0.9 0 11.7 10.3 0 6.4 10.8	0.8 0 11.8 10.1 0 6.3 10.7	0.8 0 11.8 10.3 0 6.3 10.7	0.9 0 11.7 10.7 6.2 6.1	4.9 4.9 0 8.4 6.7 6.7
	0365 8 0369 8 0372 8 C 0374 8 C ε 0375 8	0.4 0.8 0 11.7 10.4 0 6.4 10.7	0 0.9 0 11.7 10.3 0 6.4 10.8	0.8 0 11.8 10.1 0 6.3 10.7	0.8 0 11.8 10.3 0 6.3 10.7	0.9 0 11.7 10.7 6.2 6.1 10.7 6.3	4.9 4.9 0 6.4 6.7 6.7 5.9 6.4
	0365 8 0369 8 0372 8 C 0374 8 C E 0375 8	0.4 0.8 0 11.7 10.4 0 6.4 10.7	0 0.9 0 11.7 10.3 0 6.4 10.8	0.8 0 11.8 10.1 0 6.3 10.7	0.8 0 11.8 10.3 0 6.3 10.7	0.9 0 11.7 10.7 6.2 6.1	4.9 4.9 0 8.4 6.7 6.7
	0365 8 0369 8 0372 8 C 0374 8 C ε 0375 8	0.4 0.8 0 11.7 10.4 0 6.4 10.7	0 0.9 0 11.7 10.3 0 6.4 10.8	0.8 0 11.8 10.1 0 6.3 10.7	0.8 0 11.8 10.3 0 6.3 10.7	0.9 0 11.7 10.7 6.2 6.1 10.7 6.3	4.9 4.9 0 6.4 6.7 6.7 5.9 6.4 6.4
	0365 8 0369 8 0372 8 C 0374 8 C ε 0375 8	0.4 0.8 0 11.7 10.4 0 6.4 10.7	0 0.9 0 11.7 10.3 0 6.4 10.8	0.8 0 11.8 10.1 0 6.3 10.7	0.8 0 11.8 10.3 0 6.3 10.7	0.9 0 11.7 10.7 6.2 6.1 10.7 6.3	4.9 4.9 0 6.4 6.7 6.7 5.9 6.4

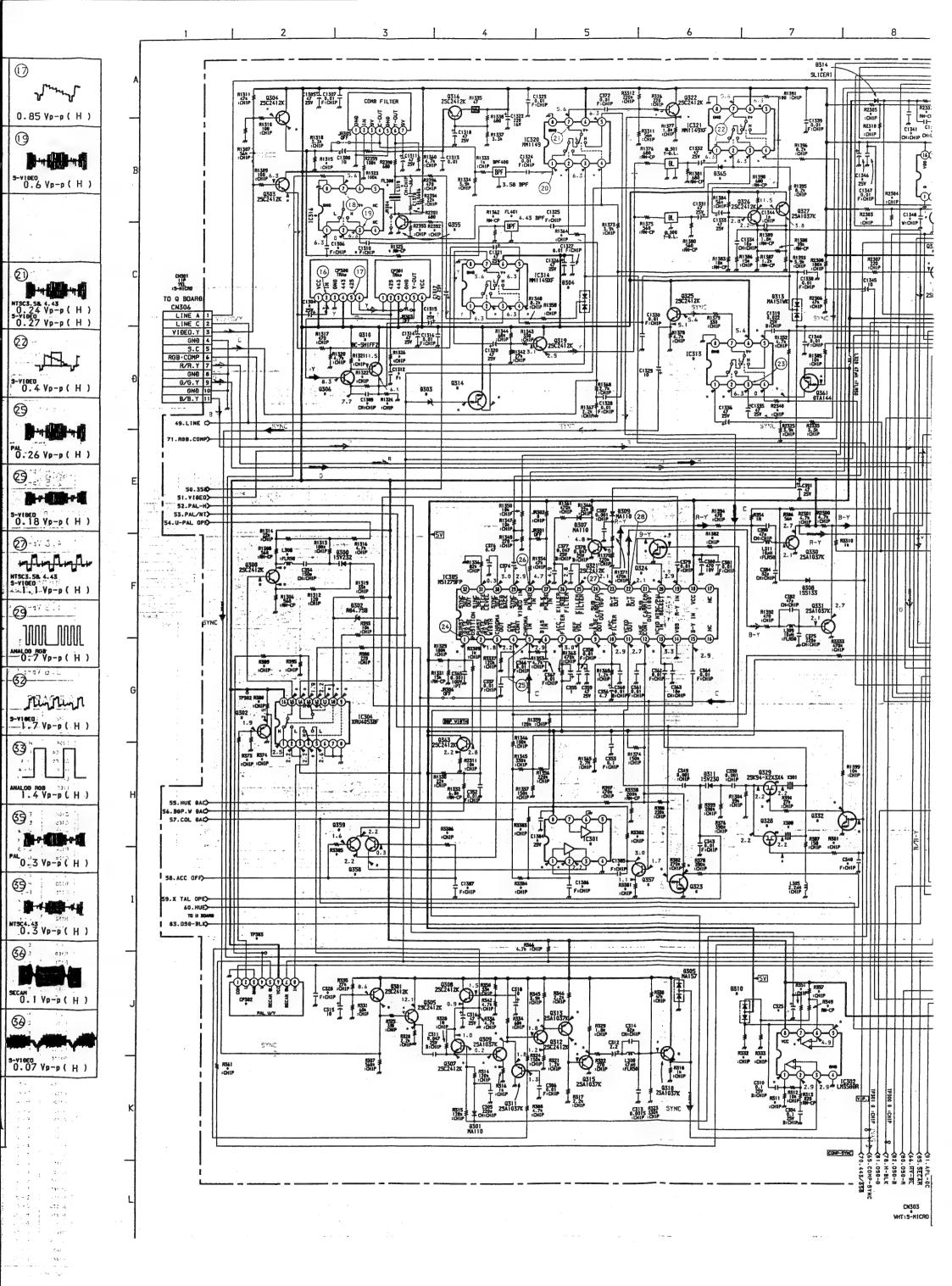
MITSC S.VICEO AMALOG

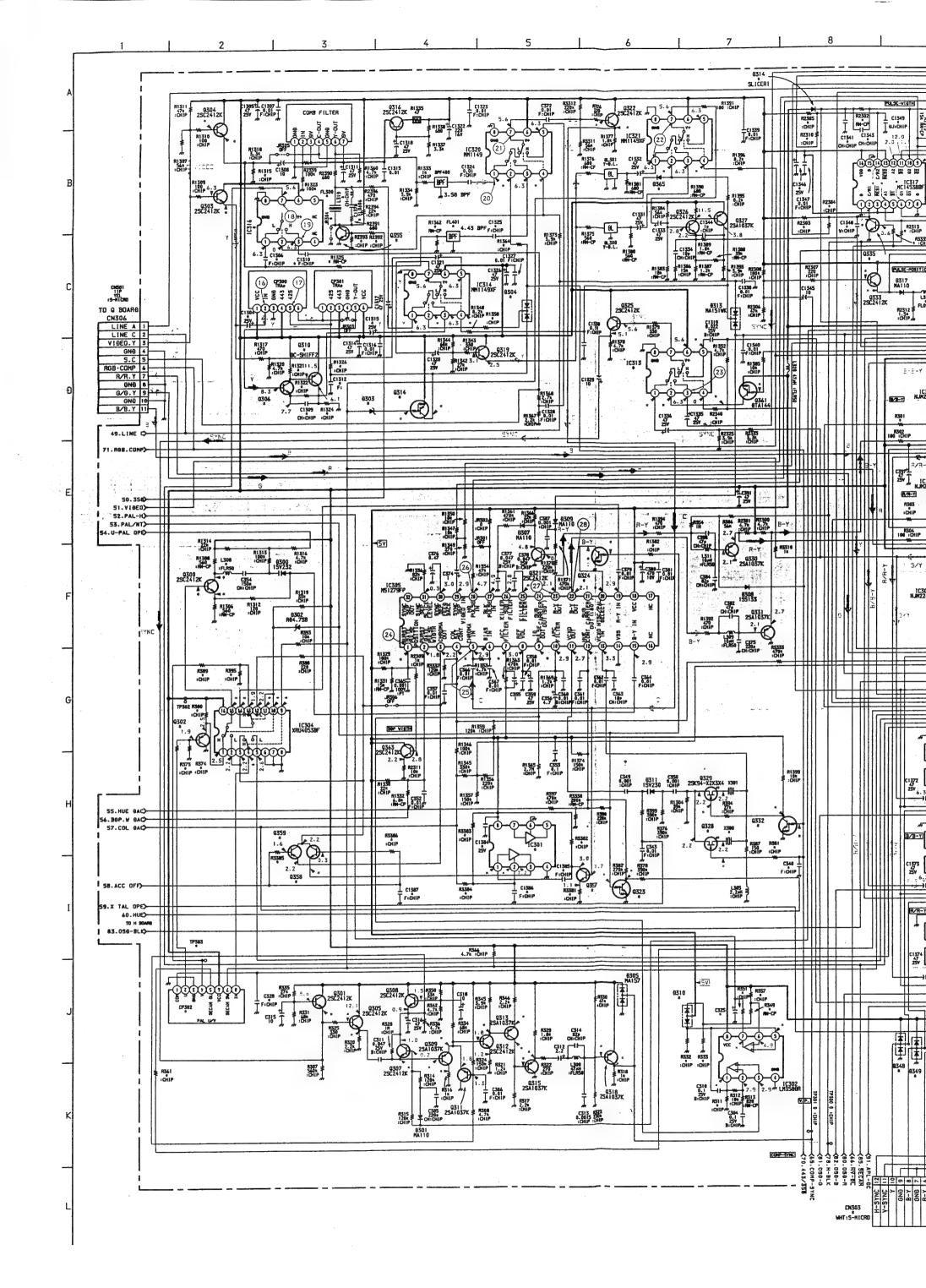
	E 6.	2 6.2	6.2 6.2
	- C.		Tarah dalah salah sa Tarah salah sa
Ref	LOCATION	PVM-1350	PVM- 1351Q/1354Q
C300	K - 12		0.01
C300	K 12	-	0.01
C310	J-15		0.01 / 25V
C319	1 15	-	5P
C320	1 - 13	- '	0.01
C322	I - 12 I - 15	_	120P
C324	J - 16	<u>-</u>	22P
C325	J-7	-	10
C327 C328	l – 12		0.1 / 25V
C329	J - 2 1 - 15	_	0.01 ⁻
C330	1 - 13	-	47P
C331	1 - 15	-	15P
C332	l 13 l 15	_	0.1
C334	1-13	-	0.001
C335	1 – 14	-	0.001
C336 C337	I - 13 I - 13	-	47 / 25V
C337	1-14	-	0.01 120P
C339	H - 15	-	15P
C340	1-6		0.01
C341 C342	H = 14 H = 14	_	0.0058
C344	H - 14	_	0.001
C345	H = 14	-	0.001
C346 C347	H - 14 H - 13	-	1 47P
C348	G - 14	_	0.1 / 25V
C351	H - 12	-	47 / 25V
C357	G-4 E-9	-	0.01
C380 C1301	D-0		47 / 25V 47 / 25V
C1303	G - 7	0.1 / 25V	-
C1304	C-2	+ '	47 / 25V
C1308 C1309	. C-2	-	0.01 180P
C1310	C-3	_	0.01
C1312	D-3	-	0.01
C1315	C-3 B-5	-	47 / 25V
C1325 C1341	A-0	-	0.01 0.001
C1343	A-8	-	68P
C1348	8-8	-	47 / 25V
C1347 C1348	8-8 B-8	-	0.01 270P
C1349	A-6	-	100P
C1350	C-0	-	0.01
C1351 C1352	C-9 C-10	-	1
C1352	C-11	_	0.015 82P
C1364	8-11		470P
C1369	1 - 13 G - 14	-	27P
C1370 C1378	8-4	-	27P 15P
C1380	1-13	-	22P
C1381	H - 13 G - 10	-	22P
C1382 C1383	G - 10 F - 10	-	100 / 10V 47 / 25V
C1384	H-4	-	0.1 / 25V
C1385	1-5	-	0.01
C1386	1-5	-	0.01
C1387 C1393	j 13	_	0.01 100P
CN303	L-0	-	12P
CP300	C-5	-	0
CP301 CP302	7-5 C-3	-	0
CP303	A-3	- I	-

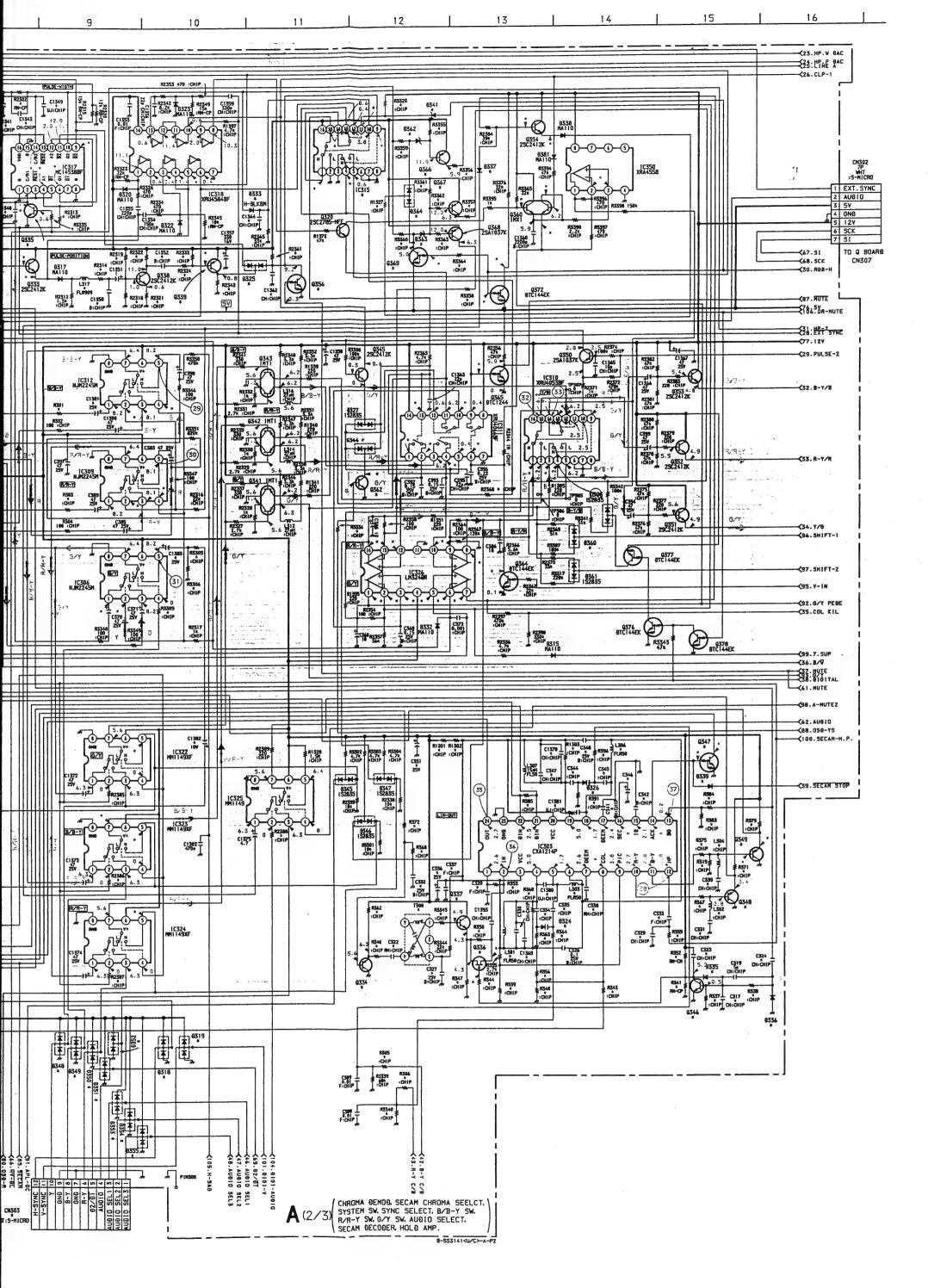
• A BOARD WAVEFORMS

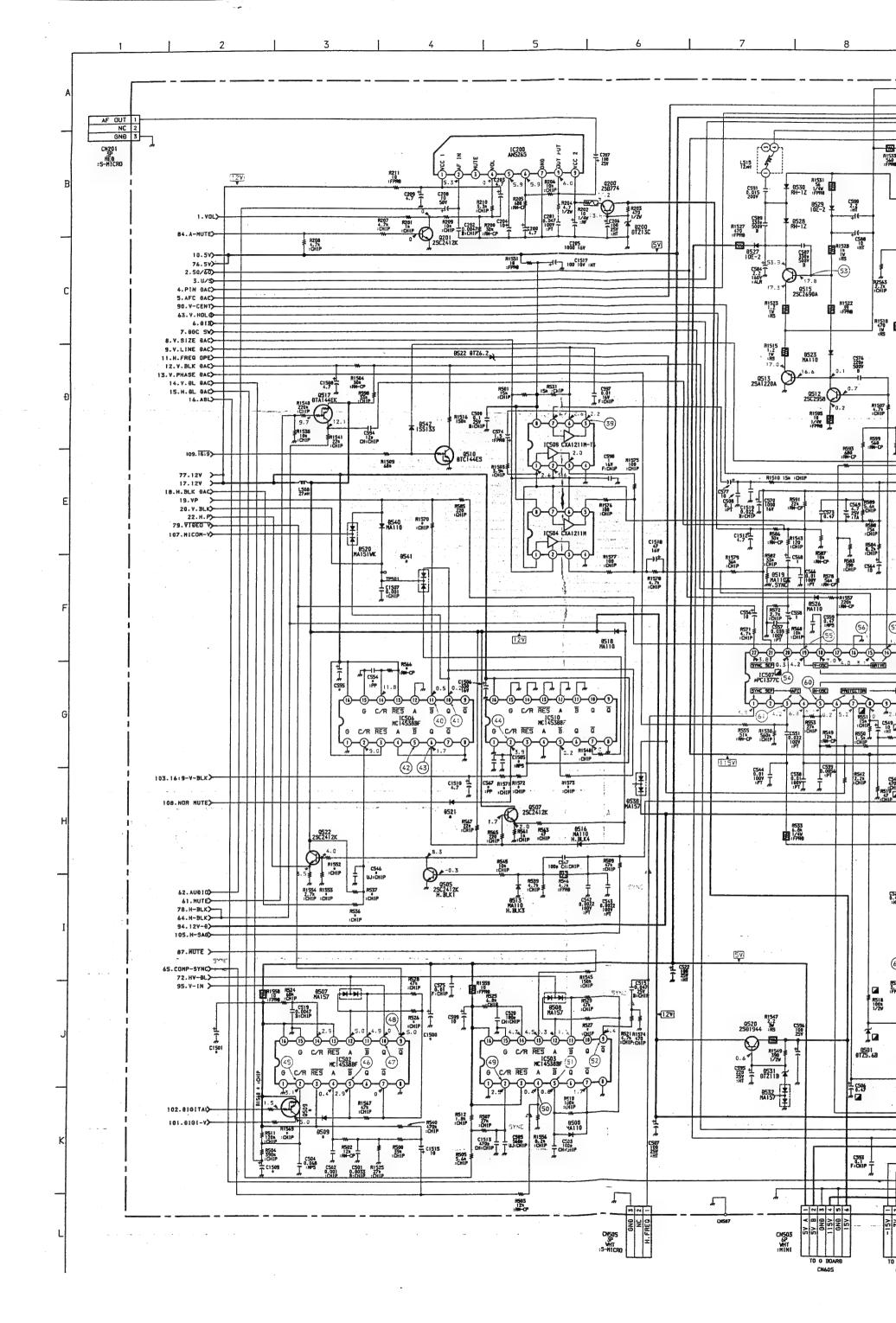
A BOARD WAVE	PONIVIS	
16	(1)	(7)
	"ta ta	Janes Janes
1.0 Vp-p(H)	3-VIDED 0.94 Vp-p(H)	0.85 Vp-p (
0	(18)	(9
"taltal		
-	S-VIOED	5-V10E0
5-VIDEO 0.94 Vp-p (H)	0.6 Vp-p(H)	0.6 Vp-p (
20		
	NTSC3.58 0.24 Vp-p (H)	-
0.2 Vp-p(H)	0.12 Vp-p (H)	
2)	2	2)
B		MISCE SE A AZ
0.27 Vp-p (H)	SECAH 0.17 Vp-p (H)	NTSC3.58.4.43 0.24 Vp-p (5-V10E0 0.27 Vp-p (
23	23	23
J. J. Landerson J.	March	LET.
PAL 0.4 Vp-p (H)	NTSC3.58 0.37 Vp-p (H)	5-VIBEO (). 4- Vp-p (
0.36 Vp-p(H)	4.0 Vp-p (.H.)	
		(29
ANALOG RGB	VVV	PAL
ANALOG RGB	1.0 Vp-p (H)	0.26 Vp-p (
(3)	3	3
Way what was	D-123-0	B 100-
SECAN 0.2 Vp-p (H)	0.23 Vp-p (H)	5-V19ED (
28	Ø	27 -373.3
	- Mangarata	+ In In
1 V V V	PAL	NTSC3.58. 4.43
5.4 Vp-p (H)	- 1.0 Vp-μ(H)↓	1 - 1 - Vp-p (
		(Constitution)
5.4 Vp-p (H)	144 pt 144 pt 1860	721-71-Ab-b (
	(B) M15C4: 1/3 0, 7/3 Vp-p (H)	29-17 C
PAL D. 8 Vp-p (H) 0.85 Vp-p (H)	28 MISC: 43 0.73 Vp-p (H) 0.9 Vp-p (H)	
PALO. 8 Vp-p (H) 0.85 Vp-p (H) 30	(8) 	ΔΜΑΙΘΟ 700 Pp - p (
(8) (M) (4) (M) (4) (8) (9) (9) (9) (10) (10) (10) (10) (10) (10) (10) (10) (10)	(3) (4) (4) (4) (5) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	AMALOO ROB 0-7 Vp-p (
PAL D. 8 Vp-p (H) 0.85 Vp-p (H) 30 AMALOG RGB 0.7 Vp-p (H)	28 MISC: 43 0.73 Vp-p (H) 0.9 Vp-p (H)	AMALOG ROS 0.7 Vp-p (3 Thin line 5-vioce 1.7 Vp-p (
20 PALO. 8 Vp-p (H) NTSCS. 38 Vp-p (H) 30 AMALOO RGB 0.7 Vp-p (H)	(3) (4) (4) (4) (5) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	AMALOO ROB 0-7 Vp-p (
29	28 NTSC: 7.3 Vp-p (H) 9-Vi060 0.9 Vp-p (H) 31 AMALDO ROB 0.7 Vp-p (H -)	AMALOG ROB -0.7 Vp-p (3) -1.7 Vp-p (
20 PALO. 8 Vp-p (H) NTSCS. 38 Vp-p (H) 30 AMALOO RGB 0.7 Vp-p (H)	(3) (4) (4) (4) (5) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	### 10 - 7 Vp - p (
29	28 MYSC 23 Vp-p (H) 30.73 Vp-p (H) 30.9 Vp-p (H) 31 AMALOS ROS 7 0.7 Vp-p (H) 33 5-VISCO 7 1.3 Vp-p (H)	AMALOG ROB 33 AMALOG ROB - 7 Vp - p (33 AMALOG ROB 23 AMALOG ROB 23 AMALOG ROB 23 AMALOG ROB 23 33
PALO. 8 Vp-p (H) NT9C3.38 Vp-p (H) 0.85 Vp-p (H) 30 AMALOO RGB 0.7 Vp-p (H) 32 AMALOO RGB 1.4 Vp-p (H)	28 MISCA-73 Vp-p (H) 9-VIDEO 0.9 Vp-p (H) AMALOD ROB 0.7 Vp-p (-H-) 33	AMALOO ROB
PALO. 8 Vp-p (H) 0.85 Vp-p (H) 30 AMALOO RGB 0.7 Vp-p (H) 32 AMALOO RGB 1.4 Vp-p (H) 34	28 MYSC 23 Vp-p (H) 30.73 Vp-p (H) 30.9 Vp-p (H) 31 AMALOS ROS 7 0.7 Vp-p (H) 33 5-VISCO 7 1.3 Vp-p (H)	AMALOO ROB
29 M100.8 Vp-p (H) M190.85 Vp-p (H) 30 MALOO ROB 0.7 Vp-p (H) 32 AMALOO ROB 1.4 Vp-p (H) 34	28 MTSC4.43 O.773 Vp-p (H) S-Vieto O.9 Vp-p (H) 31 AMALOS ROS S-VIETO L-3.Vp-p (H) 34 AMALOS ROS L-4.Vp-p (H) 35 AMALOS ROS L-4.Vp-p (H)	AMALOO ROB 33
28 PALO. 8 VP-P (H) W190. 8 VP-P (H) 30 AMALOO RGB 1. 4 VP-P (H) 34 S-VIGEO 1. 3 VP-P (H)	28 MISC. 7.3 Vp-p (H) 9-VIDEO	AMALOG ROS - 7 Vp - p (33 - 7 Vp - p (35 - 7 Vp - p (37 - 7 Vp - p (38 - 7 Vp - p (39 -
28 PALO. 8 VP-P (H) W190. 8 VP-P (H) 30 AMALOO RGB 1. 4 VP-P (H) 34 S-VIGEO 1. 3 VP-P (H)	(28) MISCA-43 Vp-p (H) 9-VIDEO 0.9 Vp-p (H) (31) AMALOD ROB 5-VIDEO 1.3 Vp-p (H) (32) AMALOD ROB 1.4 Vp-p (H) (33)	AMALOG ROB 3-V1000 7 Vp-p (33 Vp-p (33 Vp-p (35 Vp-p (35 Vp-p (36 Vp-p (37 Vp-p (38 Vp-p (38 Vp-p (39 Vp-p (39 Vp-p (39 Vp-p (
28 PALO. 8 VP-P (H) WISCS. 85 VP-P (H) 30 AMALOO RGB 1. 4 VP-P (H) 32 AMALOO RGB 1. 4 VP-P (H) 33 SECAM 1. 3 VP-P (H)	28 MTSC4.43 O. 773 VP-P (H) O. 9 VP-P (H) O. 7 VP-P (H) S. VP-P (H) AMALOO ROB 1. 4 VP-P (H) S. VP-P (H) O. 15 VP-P (H)	AMALOO ROB - 27 (33)
PALO. 8 VP-P (H) 0.85 VP-P (H) 30 AMALOO ROS 1.4 VP-P (H) 32 AMALOO ROS 1.4 VP-P (H) 33 5-VIGEO 1.3 VP-P (H)	(28) MISCA-43 Vp-p (H) 9-VIDEO 0.9 Vp-p (H) (31) AMALOD ROB 5-VIDEO 1.3 Vp-p (H) (32) AMALOD ROB 1.4 Vp-p (H) (33)	AMALOO ROB
20 PALO. 8 VP-P (H) 0.85 VP-P (H) 30 ANALOO RGE 0.7 VP-P (H) 32 ANALOO RGE 1.4 VP-P (H) 34 SECAM 1 VP-P (H) 35 SECAM 0.1 VP-P (H) 35	28 NTSCL.43 9-Viole0 0.9 Vp-p (H) 31 AMALOO ROD 1.3 Vp-p (H) 33 S-VIOLE0 1.4 Vp-p (H) 35 NTSCS.58 NTSCS.58 NTSCS.58 PAL	AMALOG ROB 3-V1000 7 Vp-p (33
28 PALO. 8 VP-P (H) NTSCS. 85 VP-P (H) 30 AMALOO RGB O. 7 VP-P (H) 32 AMALOO RGB 1. 4 VP-P (H) 34 S-VIGEO 0. 1 VP-P (H) 35 S-VIGEO 0. 2 VP-P (H)	28 MISCL.43 VP-P (H) 9-VIDED NOP P (H) 31 AMALDO ROD	AMALOG ROB 3-V1000 7 Vp-p (33
20 PALO. 8 VP-P (H) 0.85 VP-P (H) 30 ANALOO RGE 0.7 VP-P (H) 32 ANALOO RGE 1.4 VP-P (H) 34 SECAM 1 VP-P (H) 35 SECAM 0.1 VP-P (H) 35	28 NTSCL.43 9-Viole0 0.9 Vp-p (H) 31 AMALOO ROD 1.3 Vp-p (H) 33 S-VIOLE0 1.4 Vp-p (H) 35 NTSCS.58 NTSCS.58 NTSCS.58 PAL	AMALOG ROB 3-V1000 7 Vp-p (33
20 PALO. 8 VP-P (H) 0.85 VP-P (H) 30 AMALOO ROB 0.7 VP-P (H) 32 AMALOO ROB 1.4 VP-P (H) 34 SECAM 0.1 VP-P (H) 35 5-V1060 0.2 VP-P (H) 36	28 MISCL.43 VP-P (H) 9-VIOCO POP P (H) 31 AMALOO ROD 1.3 VP-P (H) 33 AMALOO ROD NITSC3.55 VP-P (H) 36 PAL O. 3 VP-P (H) 36 PAL O. 3 VP-P (H) 36	AMALOG POP
28 PALO. 8 VP-P (H) NTSCS. 85 VP-P (H) 30 AMALOO RGB O. 7 VP-P (H) 32 AMALOO RGB 1. 4 VP-P (H) 34 S-VIGEO 0. 1 VP-P (H) 35 S-VIGEO 0. 2 VP-P (H)	28 MISCL.43 VP-P (H) 9-VIDED NOP P (H) 31 AMALDO ROD	AMALOG ROB 3-VIOCO 7 Vp-p (33
20 PALO. 8 VP-P (H) 0.85 VP-P (H) 30 AMALOO ROB 0.7 VP-P (H) 32 AMALOO ROB 1.4 VP-P (H) 34 SECAM 0.1 VP-P (H) 35 5-V1060 0.2 VP-P (H) 36	28 MISCL.43 VP-P (H) 9-VIOCO POP P (H) 31 AMALOO ROD 1.3 VP-P (H) 33 AMALOO ROD NITSC3.55 VP-P (H) 36 PAL O. 3 VP-P (H) 36 PAL O. 3 VP-P (H) 36	AMALOG POP
28 PALO. 8 VP-P (H) 30 AMALOO ROS AMALOO ROS 1.4 Vp-P (H) 39 SECAM 1.7 Vp-P (H) 39 SECAM 0.1 Vp-P (H) 39 S-VIGEO 1.3 VP-P (H)	AMALOO POD P (H) 31 AMALOO POD P (H) 33 S-VIGEO 1.4 VP-P (H) 35 NT3C3.55 VP-P (H) 36 PAL 0.3 VP-P (H) 36 PAL 0.3 VP-P (H) 36 PAL 0.3 VP-P (H) 36 PAL 0.28 VP-P (H)	AMALOG ROS
28 PALO. 8 VP-P (H) 30 AMALOO ROS AMALOO ROS 1.4 Vp-P (H) 39 SECAM 1.7 Vp-P (H) 39 SECAM 0.1 Vp-P (H) 39 S-VIGEO 1.3 VP-P (H)	AMALOO POD P (H) 31 AMALOO POD P (H) 33 S-VIGEO 1.4 VP-P (H) 35 NT3C3.55 VP-P (H) 36 PAL 0.3 VP-P (H) 36 PAL 0.3 VP-P (H) 36 PAL 0.3 VP-P (H) 36 PAL 0.28 VP-P (H)	AMALOG ROS

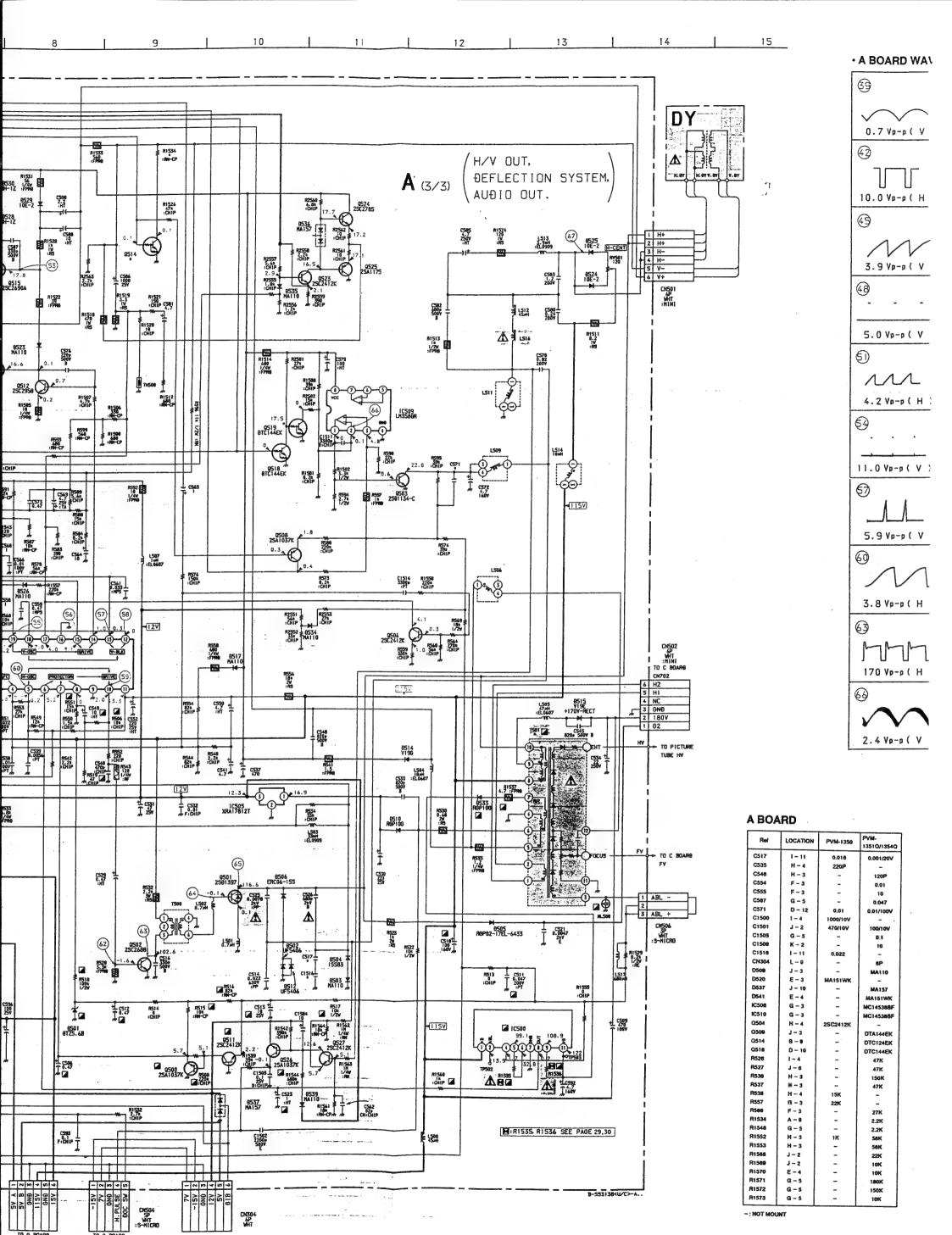
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-: NOT MOUNT









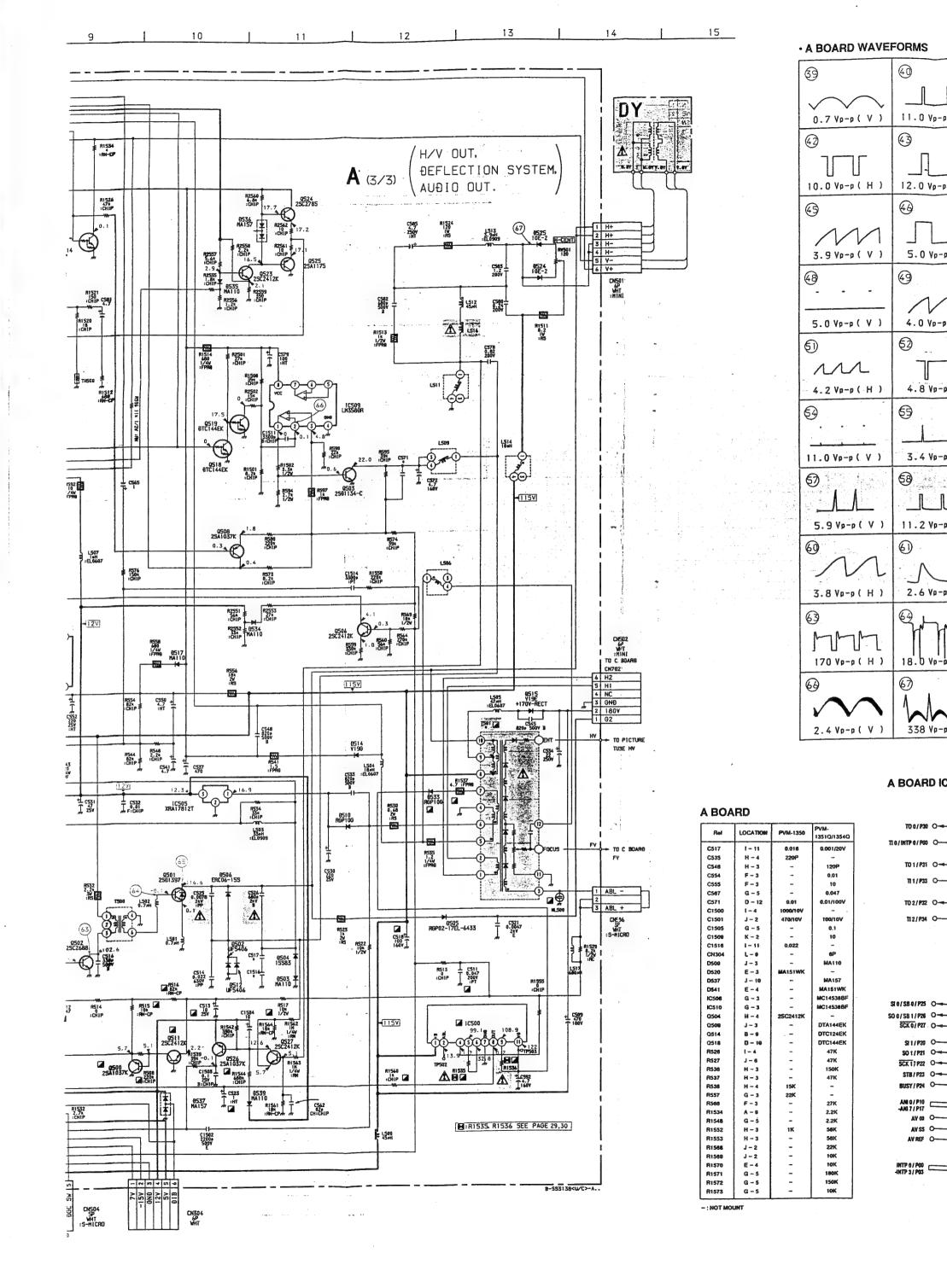


CN605

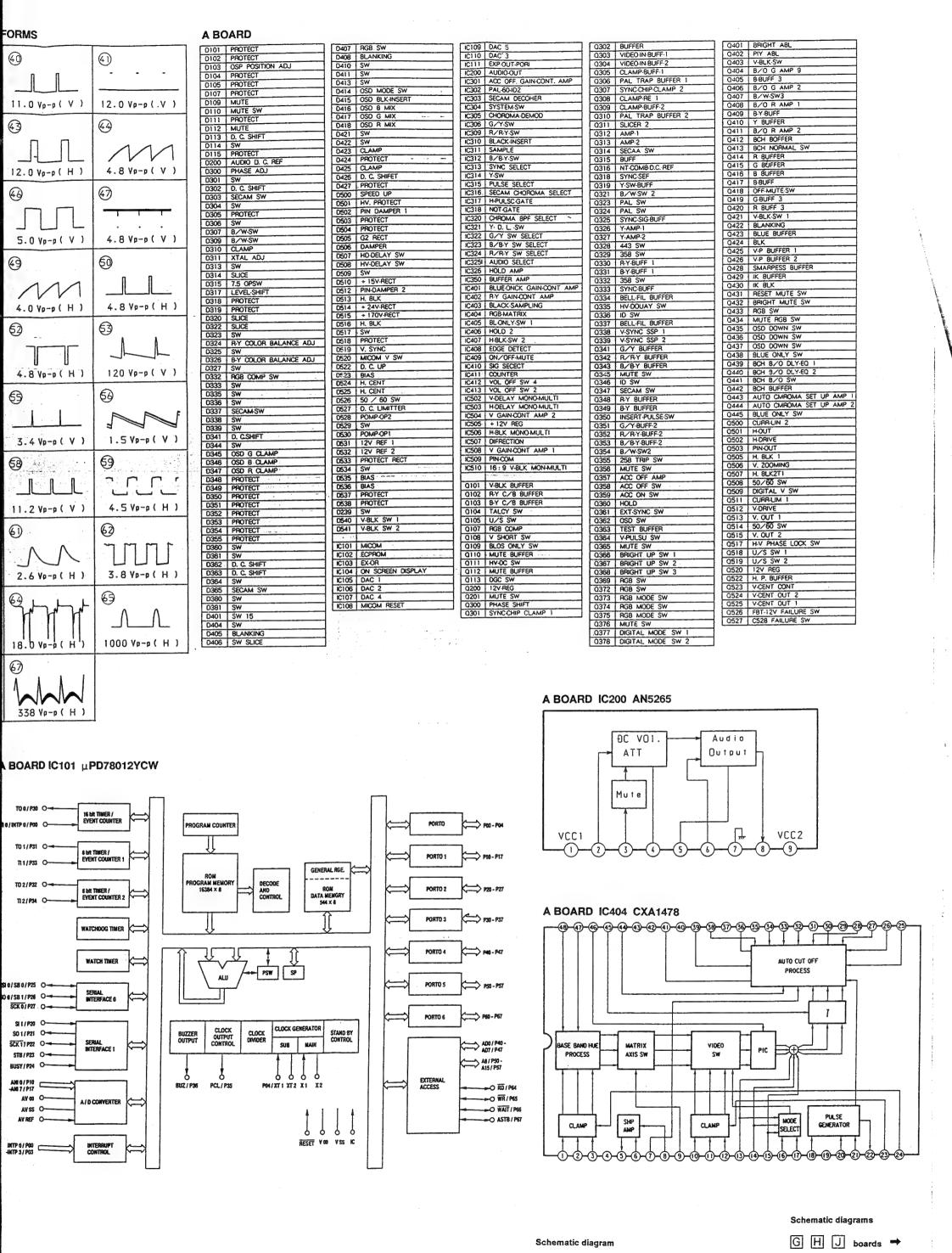
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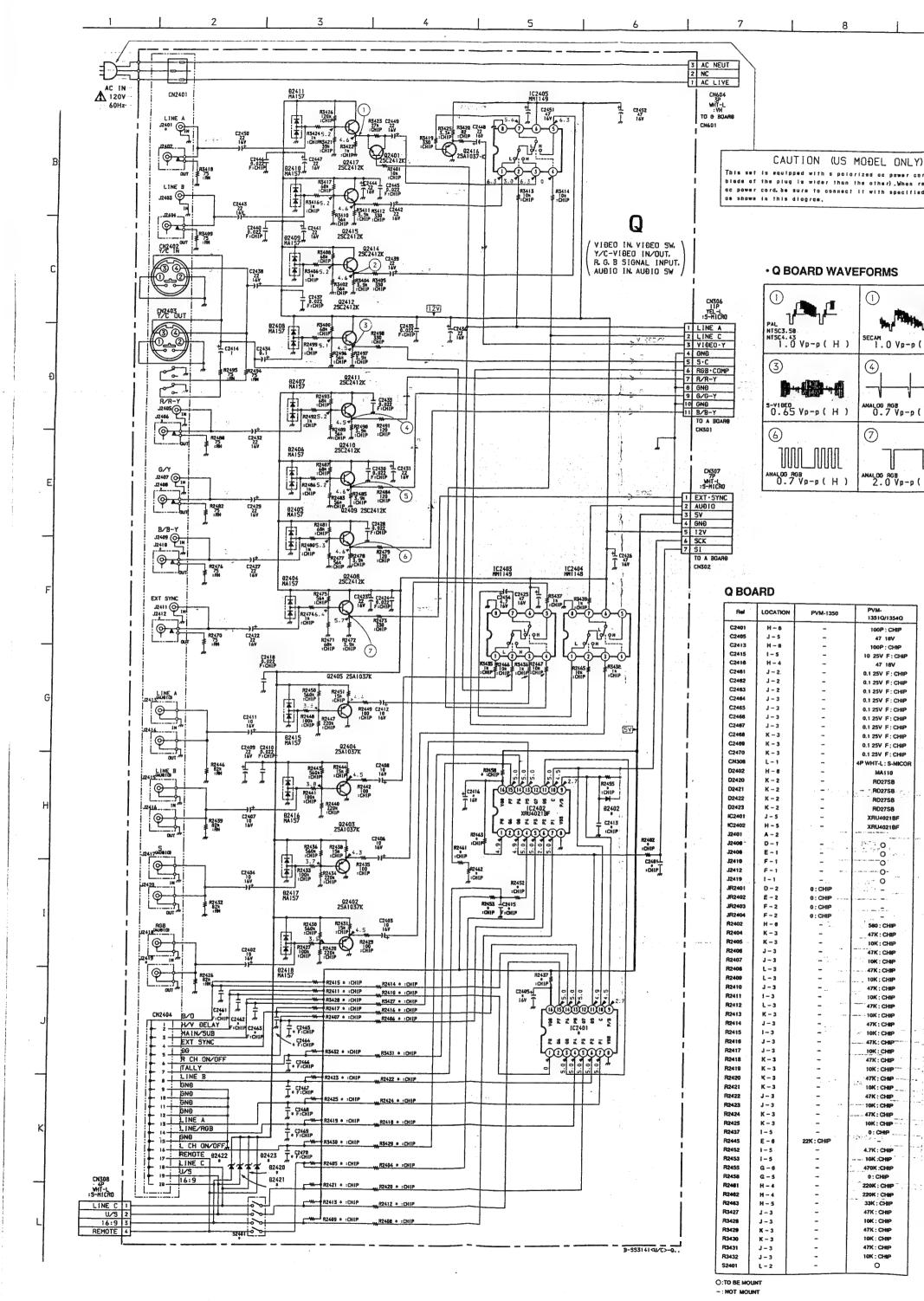
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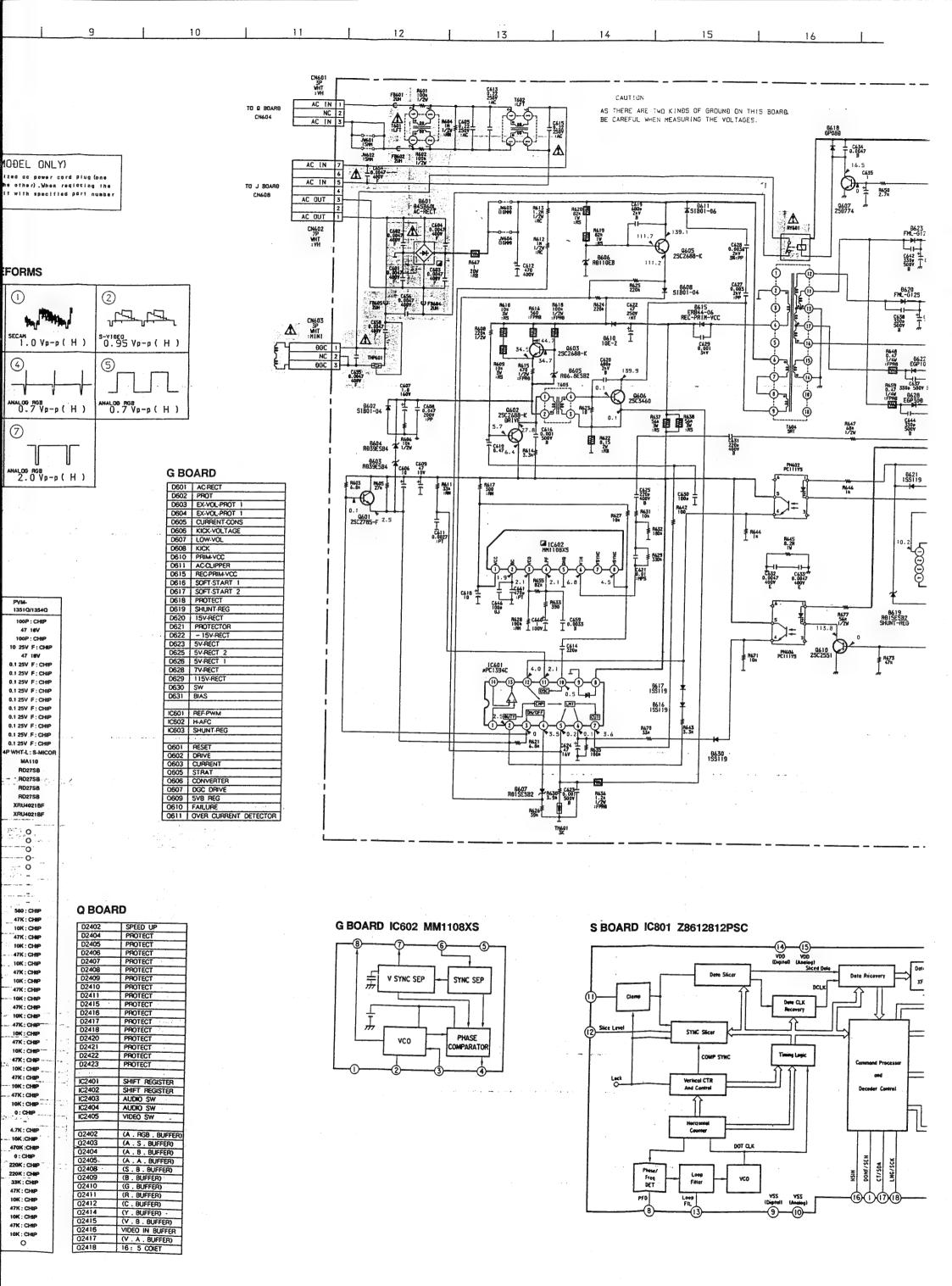
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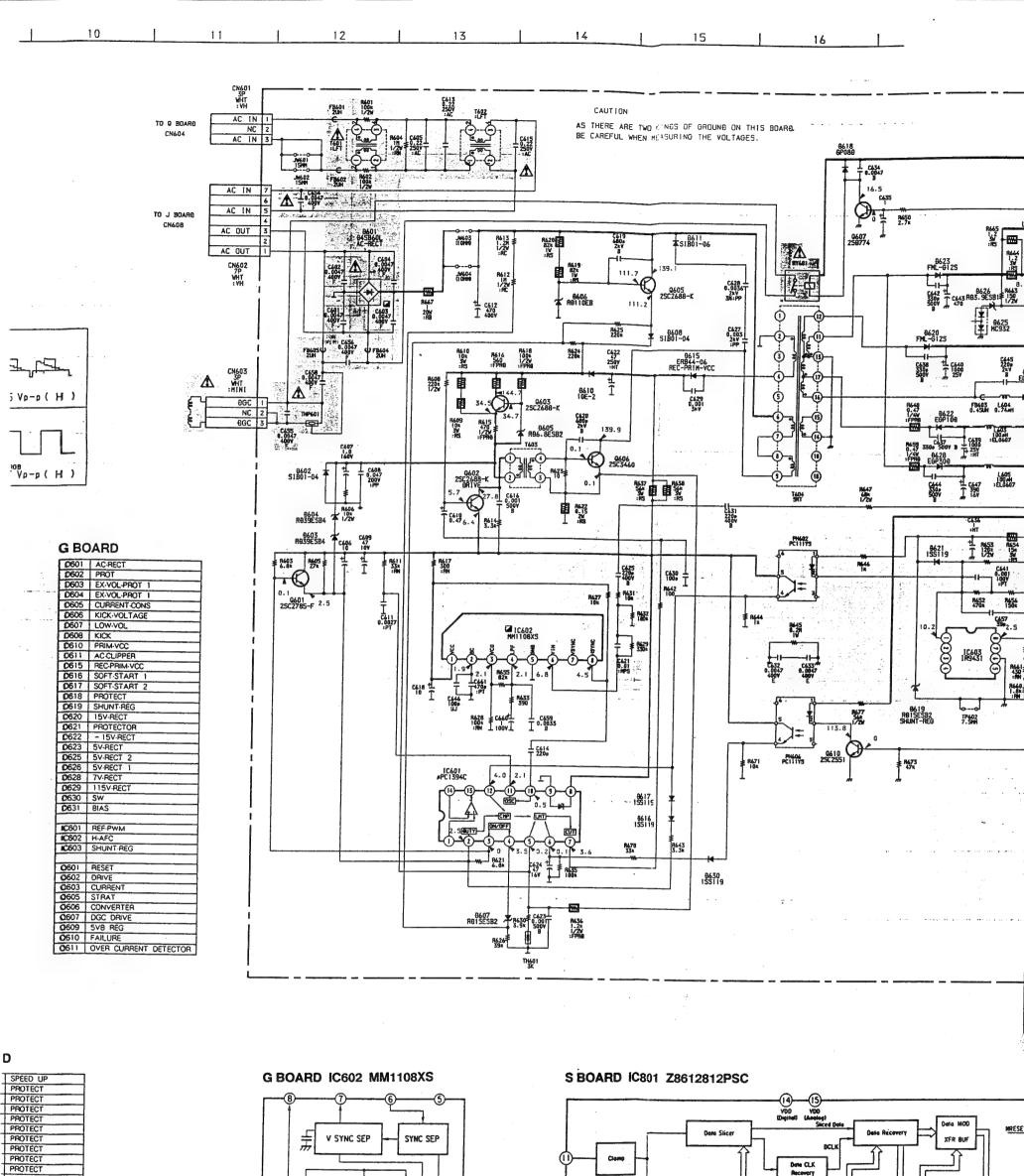


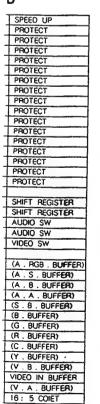
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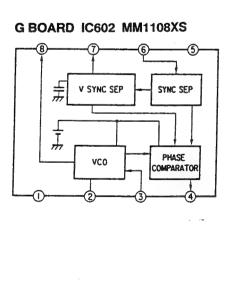


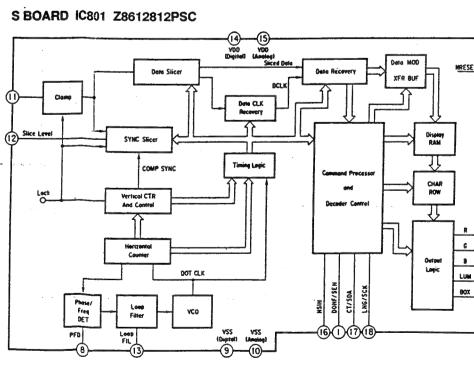


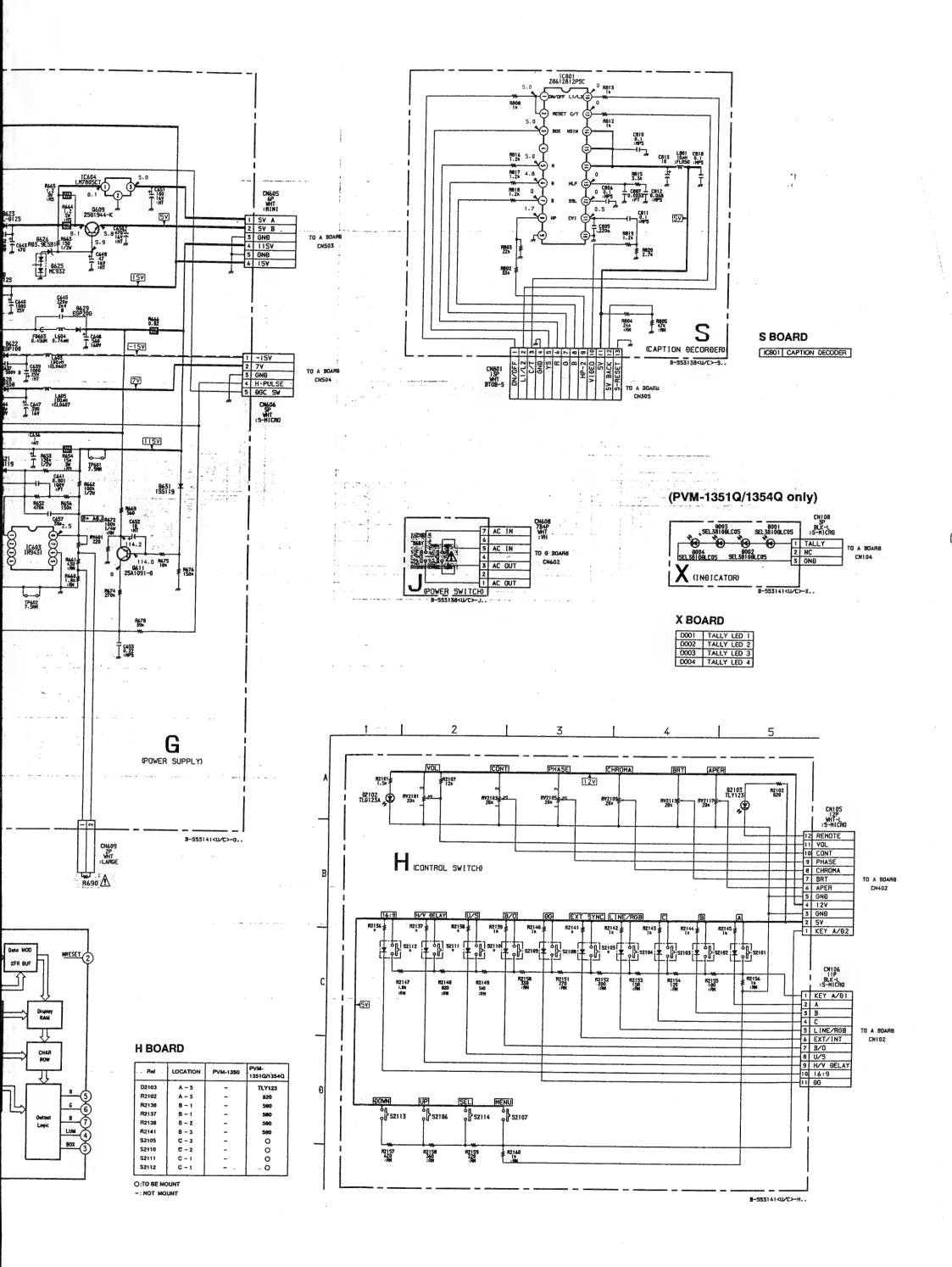


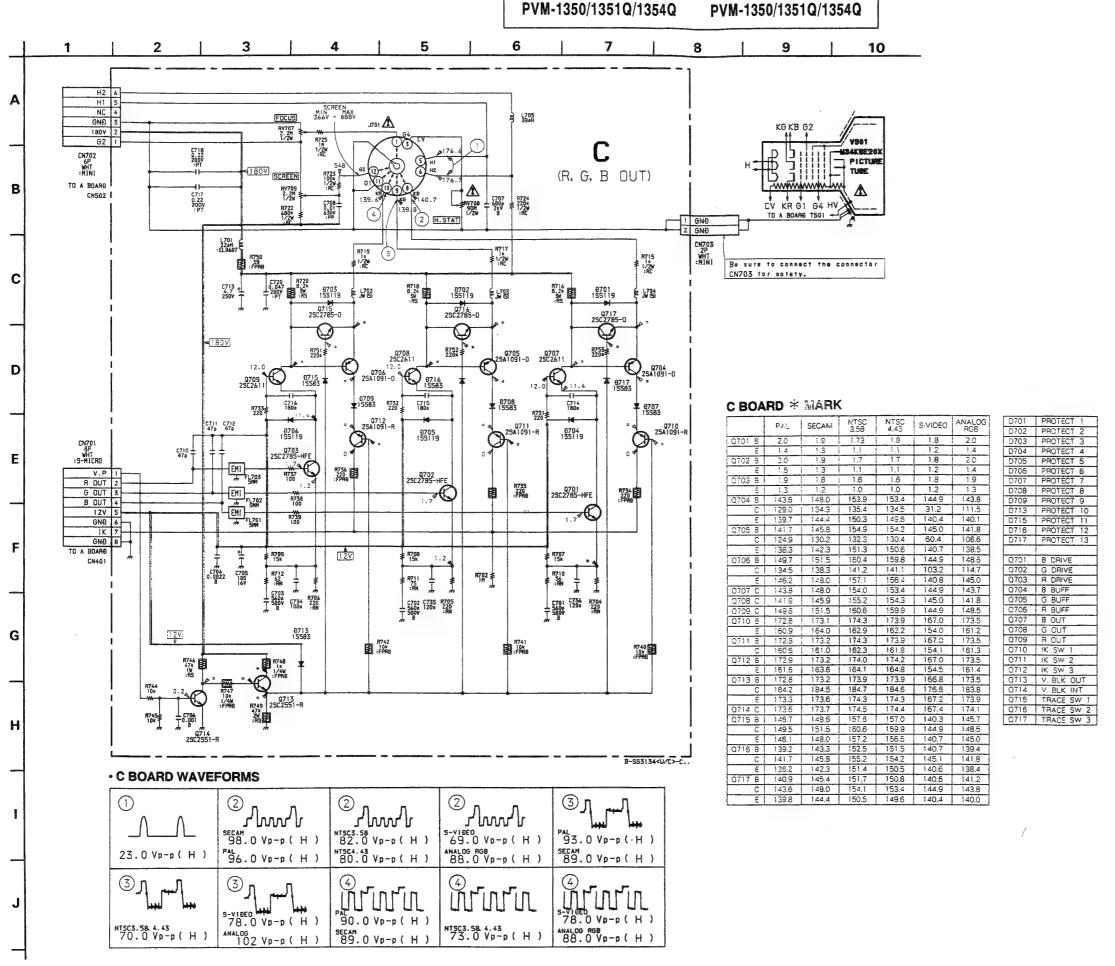


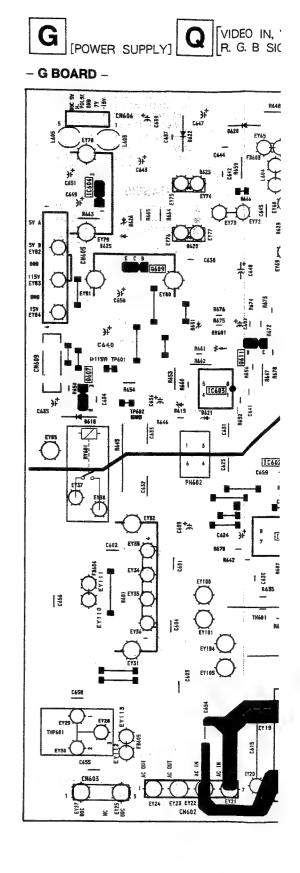








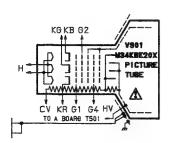




PVM-1350/1351Q/1354Q

PVM-1350/1351Q

10

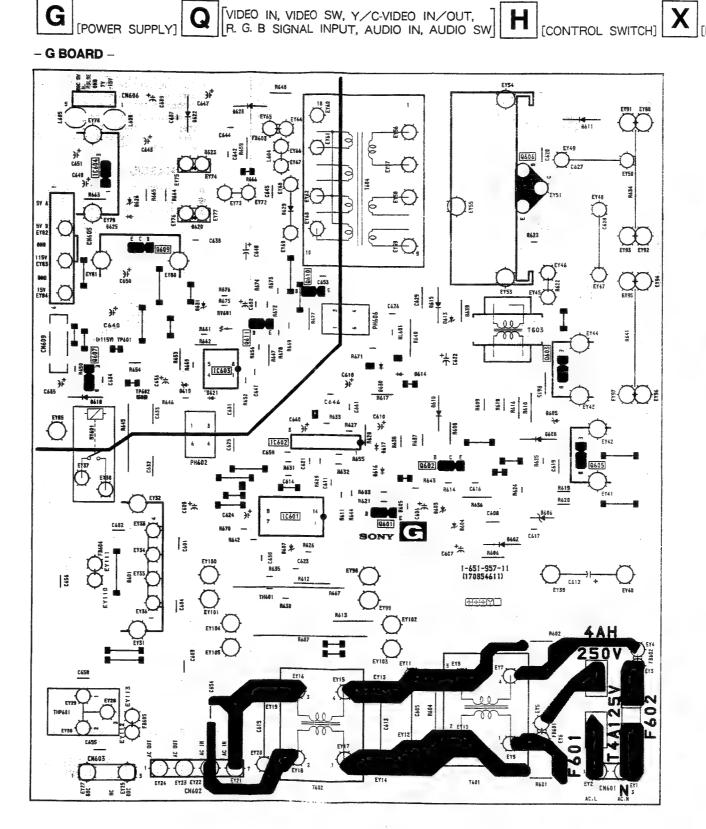


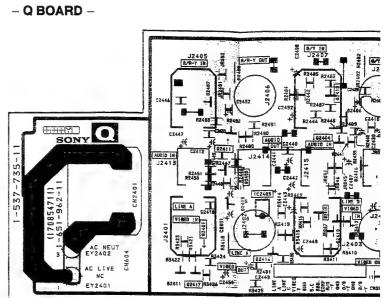
sure to connect the connector 703 for safety.

BOARD * MARK

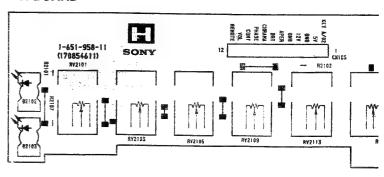
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701 B	2.0	1.9	1.73	1.8	1.8	2.0
E	1,4	1.3	1.1	1.1	1.2	1.4
702 B	2.0	1.9	1.7	1.7	1.8	2.0
E	1.5	1.3	1.1	1,1	1.2	1.4
703 B	1.9	1.8	1.6	1.6	1.8	1.9
Ē	1.3	1.2	1.0	1.0	1.2	1.3
704 B	143.6	148.0	153.9	153.4	144.9	143.8
С	129.0	134.3	135.4	134.5	31.2	111.5
E	139.7	144.4	150.3	149.6	140.4	140.1
705 B	141.7	145.8	154.9	154.2	145.0	141.8
С	124.9	130.2	132.3	130.4	60.4	106.6
E	138.3	142.3	151.3	150.6	140.7	138.5
706 B	149.7	151.5	150.4	159.8	144.9	148.6
С	134.5	138.3	141.2	141.1	103.2	114.7
E	146.2	148.0	157.1	156.4	140.8	145.0
707 C	143.6	148.0	154.0	153.4	144.9	143.7
708 C	141.9	145.9	155.2	154.3	145.0	141.8
709 C	149.8	151.5	160.6	159.9	144.9	148.5
710 B	172.8	173.1	174.3	173.9	167.0	173.5
ξ	160.9	164.0	162.9	162.2	154.0	161.2
711 8	172.3	173.2	174.3	173.9	167.0	173.5
С	160.6	161.0	162.3	161.8	154.1	161.3
712 E	172.9	173.2	174.0	174.2	167.0	173.5
Ε.	161.6	163.6	164.1	164.8	154.5	161.4
713 8	172.8	173.2	173.9	173.9	166.8	173.5
С	184.2	184.5	184.7	184.6	176.6	183.8
E	173.3	173.6	174.3	174.3	167.2	173.9
714 C	173.6	173.7	174.5	174.4	167.4	174.1
715 B	146.7	148.6	157.6	157.0	140.3	145.7
C	149.5	151.5	160.6	159.9	144.9	148.5
٤	146.1	148.0	157.2	156.5	140.7	145.0
716 B	139.2	143.3	152.5	151.5	140.7	139.4
C	141.7	145.8	155.2	154.2	145.1	141.8
E	138.2	142.3	151.4	150.5	140.6	138.4
717 B	140.9	145.4	151.7	150.8	140.6	141.2
Ç	143.6	148.0	154.1	153.4	144.9	143.8
E	139.8	144,4	150.5	149.6	140.4	140.0

D704	PROTECT 4
D705	PROTECT 5
D706	PROTECT 6
D707	PROTECT 7
0708	PROTECT 8
D709	PROTECT 9
D713	PROTECT 10
D715	PROTECT 11
D716	PROTECT 12
D717	PROTECT 13
Q701	B DRIVE
0702	G DRIVE
Q703 ·	R DRIVE
0704	B BUFF
0705	G BUFF
0706	R BUFF
Q707	B OUT
0708	G OUT
Q709	R OUT
0710	IK SW 1
Q711	IK SW 2
0712	IK SW 3
Q713	V. BLK OUT
0714	V. BLK INT
0715	TRACE SW 1
Q716	TRACE SW 2
0717	TRACE SW 3



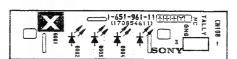


- H BOARD --

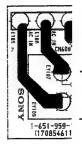


(PVM-1351Q/1354Q only)

- X BOARD -

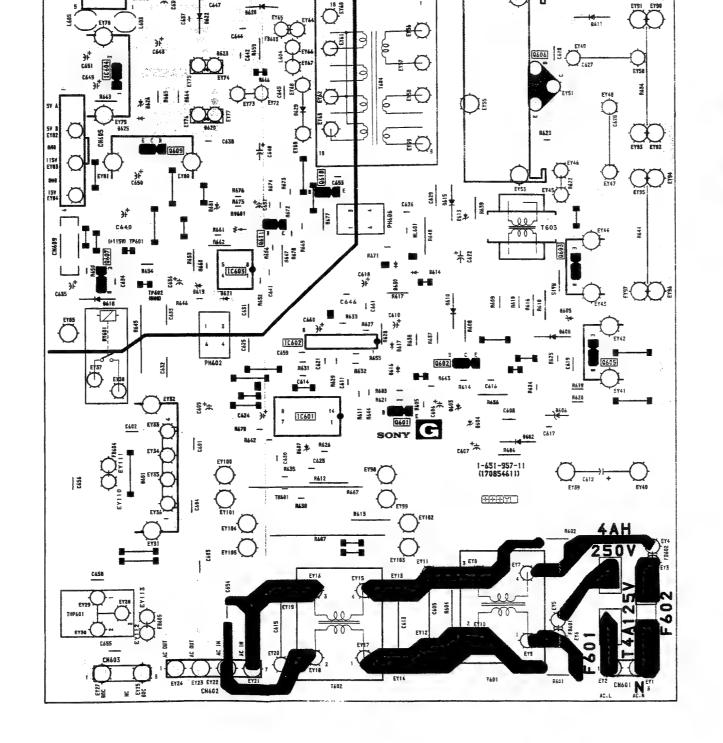


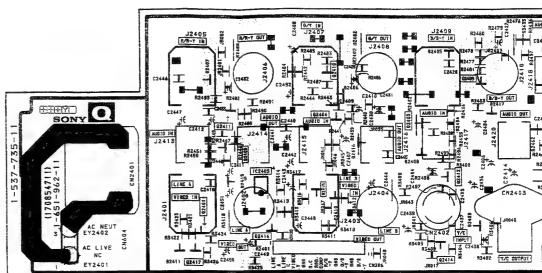




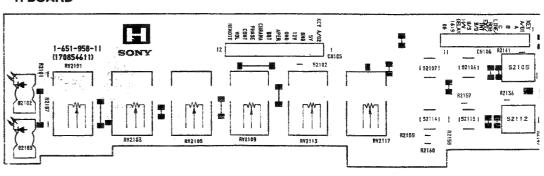


- G BOARD -



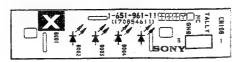


- H BOARD -

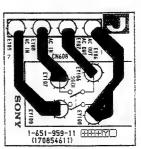


(PVM-1351Q/1354Q only)

- X BOARD -







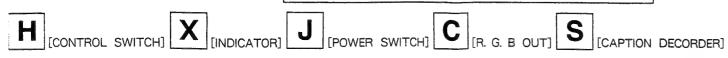
114.7 140.8 145.0 144.9 143.7

140.4 140.0

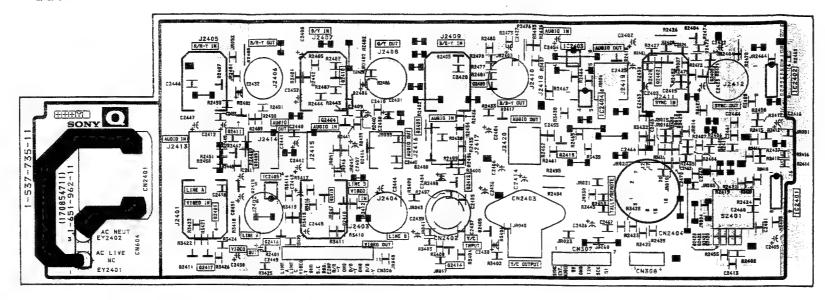
PVM-1350/1351Q/1354Q

PVM-1350/1351Q/1354Q

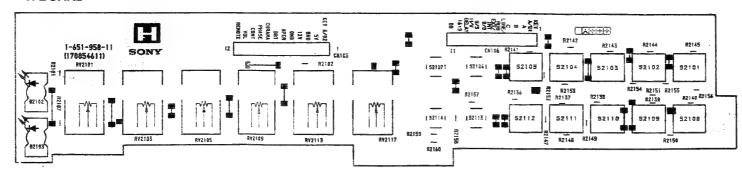
PVM-1350/1351Q/1354C



- Q BOARD -

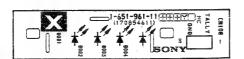


- H BOARD --

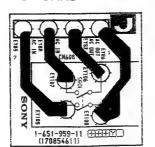


(PVM-1351Q/1354Q only)

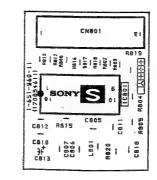
- X BOARD -



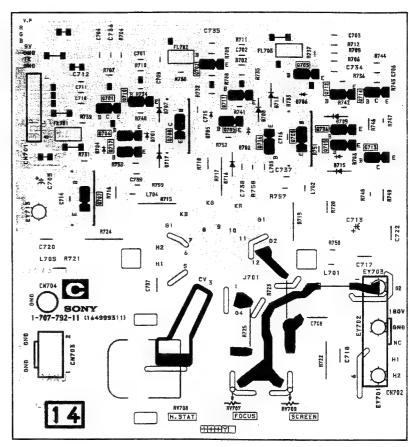
- J BOARD -



- S BOARD -



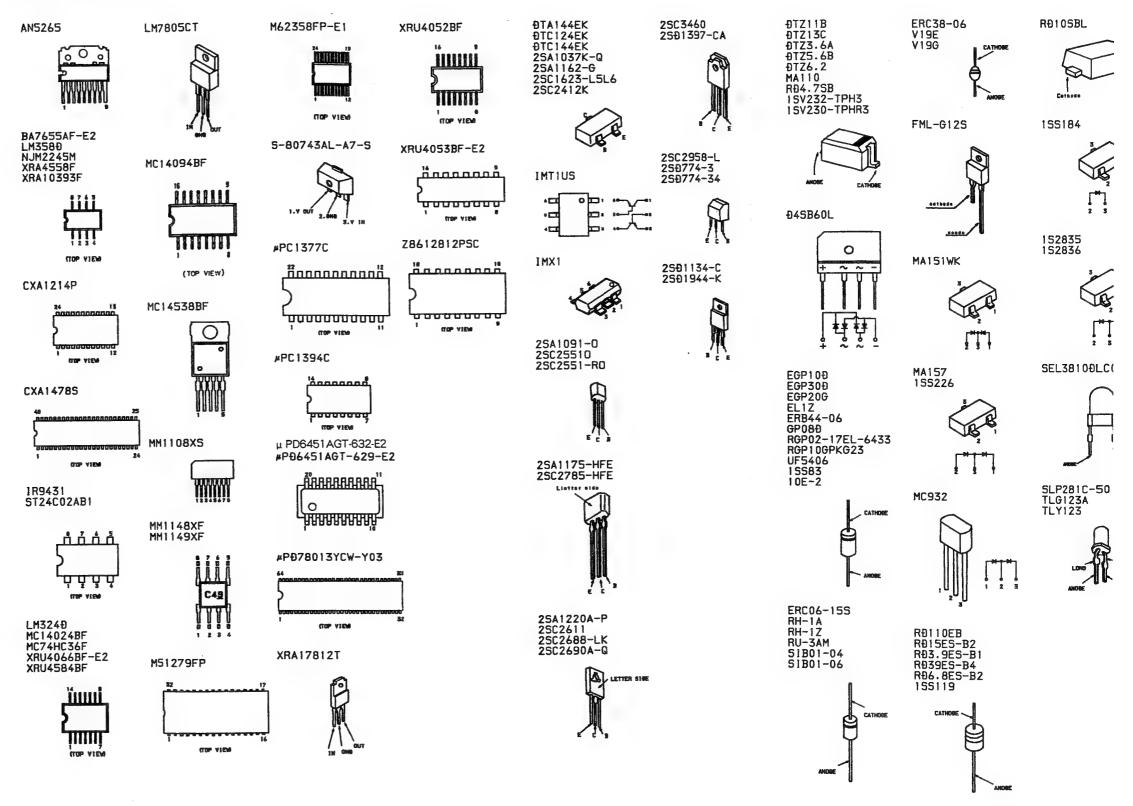
- C BOARD -

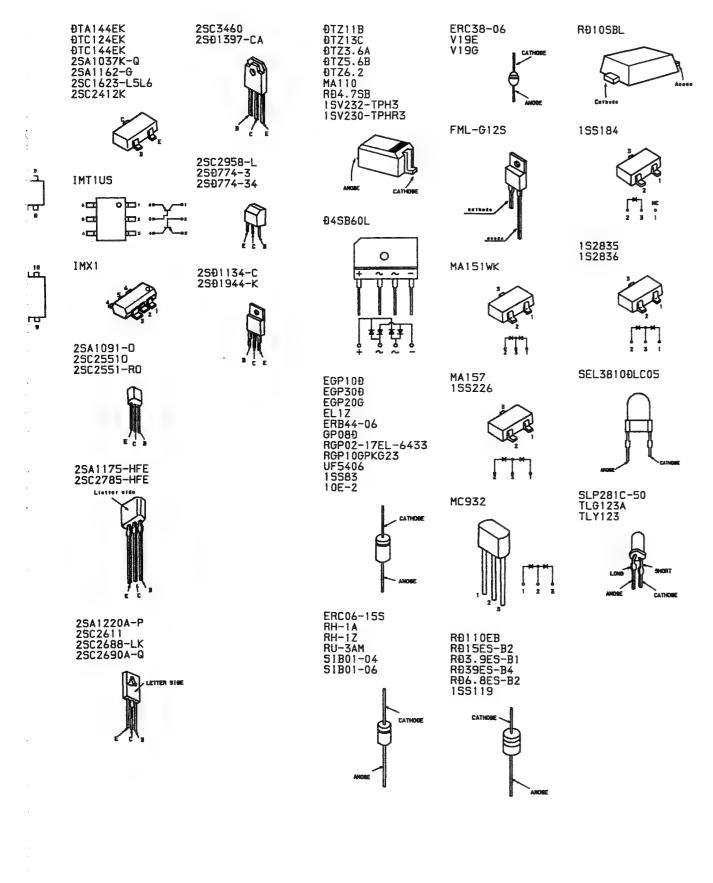


Schematic diagram

← C board

6-5. SEMICONDUCTONS





SECTION 7 EXPLODED VIEWS

OTE:

Items with no part number and no description are not stocked because they are seldom required for routine service.
 The construction parts of an assembled

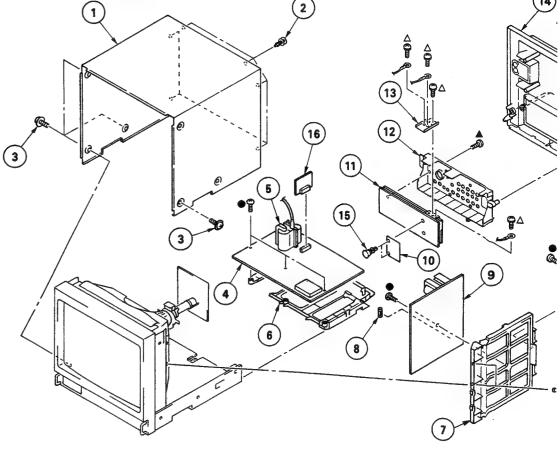
- part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

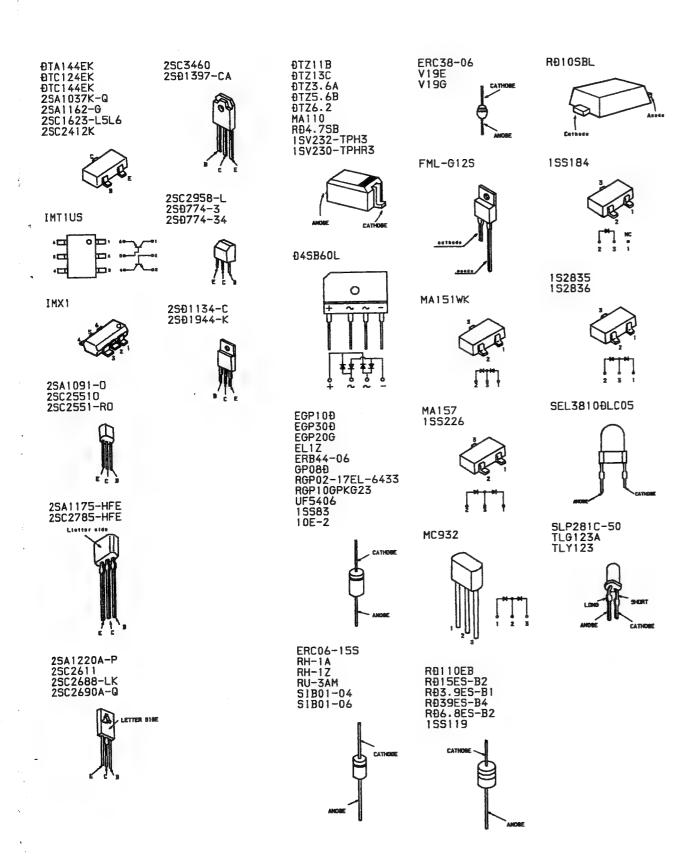
Les composants identifies pa une trame et une marque & sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

7-1. CHASSIS

▲: + BVTP3 × 8 7-685-646-79 ●: + BVTP3 × 12 7-685-648-79 ■: + BVTP4 × 16 7-685-663-79 Δ: + PS4 × 8 7-682-661-09 □: + BVTT4 × 8 (S) 7-682-561-04



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION -
3 4-847-802-11 4 *A-1297-195-A *A-1297-196-A 5 \(\Lambda \) 1-453-163-11 6 *4-043-690-01 7 *4-043-689-01 8 \(\Lambda \) 1-532-746-11	RIVET, NYLON SCREW (OS), CASE, A BOARD, COMPLETE A BOARD, COMPLETE TRANSFORMER ASSY, BRACKET, MAIN	(PVM-1351Q/1354Q) (PVM-1350) FLYBACK	11 12 13 14 15 16	*4-044-053-01 1-537-735-11 1-537-735-21 4-043-688-01 4-043-688-11 *4-043-687-01 4-043-687-01 4-386-618-01 *A-1390-391-A *4-044-256-01	TERMINAL BO ARD ASSY, I/(TERMINAL BO ARD ASSY, I/(PANEL, CONN ECTOR (PVM-1: PANEL, CONN ECTOR (PVM-1: TERMINAL, GROUND COVER, REAR RIVET, T TY PE S BOARD, O MPLETE



SECTION 7 EXPLODED VIEWS

MOTE.

- Items with no part number and no description are not stocked because they are seldom required for routine service.
 The construction parts of an assembled
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark

are critical for safety.

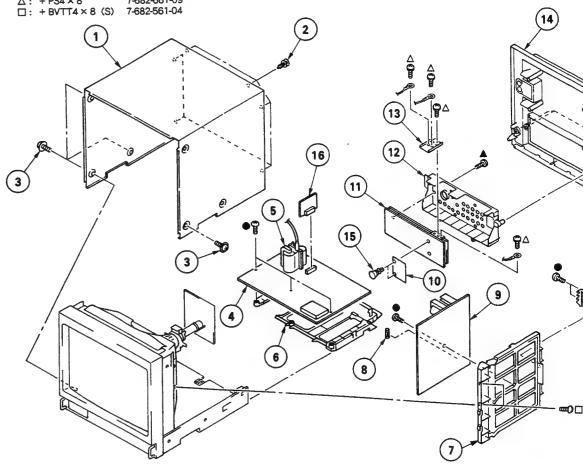
Replace only with part number

specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

7-1. CHASSIS

▲:	+ BVTP3 × 8	7-685-646-79
•:	+ BVTP3 × 12	7-685-648-79
:	+ BVTP4 × 16	7-685-663-79
Δ:	+ PS4 × 8	7-682-661-09
п.	+ BVTT4 × 8 (S)	7-682-561-04



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION
1 X-4031-775-2 2 4-391-825-01 3 4-847-802-11 4 *A-1297-195-A *A-1297-196-A 5 A 1-453-163-11 6 *4-043-689-01 7 *4-043-689-01 8 A 1-532-746-11 9 *A-1316-174-A	RIVET, NYLON SCREW (OS), CASE, CLAW A BOARD, COMPLETE (PVM-1351Q/135 A BOARD, COMPLETE (PVM-1350) TRANSFORMER ASSY, FLYBACK BRACKET, MAIN BRACKET, G	64Q)	10 11 12 13 14 15 16 17	*4-044-053-01 1-537-735-11 1-537-735-21 4-043-688-01 4-043-688-11 *4-043-687-01 4-043-687-01 4-386-618-01 *A-1390-391-A *4-044-256-01	TERMINAL BOARD ASSY, I/O (E PANEL, CONNECTOR (PVM-1351Q PANEL, CONNECTOR (PVM-1350) TERMINAL, GROUND COVER, REAR RIVET, T TYPE

SECTION 7 EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

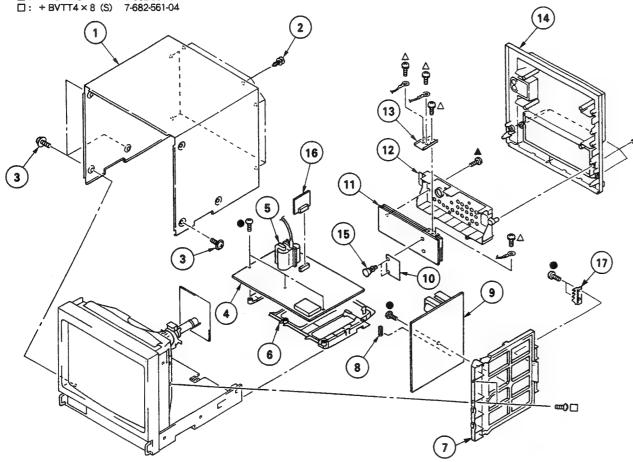
The components identified by shading and mark \triangle are critical for safety.

specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

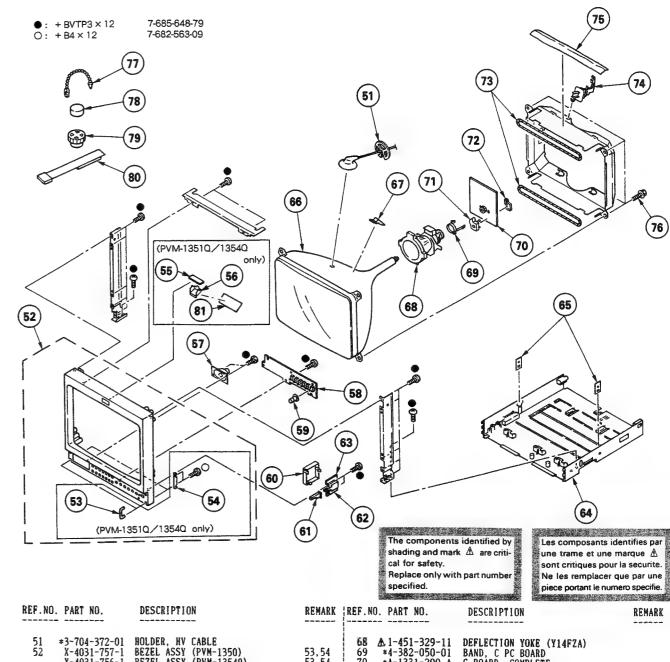
7-1. CHASSIS

A :	+ BVTP3 × 8	7-685-646-79
•:	+ BVTP3 × 12	7-685-648-79
:	+ BVTP4 × 16	7-685-663-79
Δ :	+ PS4 × 8	7-682-661-09
_		



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
*A-1297-196-A 5	RIVET, NYLÔN SCREW (OS), CASE, CLAW A BOARD, COMPLETE (PVM-1351Q/135 A BOARD, COMPLETE (PVM-1350) TRANSFORMER ASSY, FLYBACK BRACKET, MAIN BRACKET, G	4Q)	11 12 13 14 15	*4-044-053-01 1-537-735-11 1-537-735-21 4-043-688-01 4-043-688-11 *4-043-687-01 4-043-687-01 4-386-618-01 *A-1390-391-A *4-044-256-01	TERMINAL BOARD ASSY, I/O (A) (PVM-1351Q TERMINAL BOARD ASSY, I/O (B) (PV PANEL, CONNECTOR (PVM-1351Q/1354 PANEL, CONNECTOR (PVM-1350) TERMINAL, GROUND COVER, REAR RIVET, T TYPE S BOARD, COMPLETE	M-1350)

7-2. PICTURE TUBE



		DESCRIPTION REMARK	i RE
52	*3-704-372-01 X-4031-757-1 X-4031-756-1 X-4031-756-2 4-043-680-01	HOLDER, HV CABLE BEZEL ASSY (PVM-1350) 53,54 BEZEL ASSY (PVM-1354Q) 53,54 BEZEL ASSY (PVM-1351Q) 53,54 HANDLE, PROTECTOR (PVM-1351Q/1354Q)	
55 56 57	*4-043-682-01 1-544-063-12 *A-1371-971-A	REINFORCEMENT, HANDLE (PVM-1351Q/1354Q) X BOARD, COMPLETE (PVM-1351Q/1354Q) REFLECTOR, LED (PVM-1351Q/1354Q) SPEAKER H BOARD, COMPLETE (PVM-1351Q/1354Q) H BOARD, COMPLETE (PVM-1350)	
60 61	4-043-681-01 4-043-683-01 ▲ 1-692-921-11	KNOB ASSY, CONTROL COVER, AC SWITCH BUTTON, POWER SWITCH SWITCH, PUSH (A.C. POWER) J BOARD, COMPLETE	
65 66		NUT, PLATE PICTURE TUBE (M34KBE20X) (PVM-1354Q) PICTURE TUBE (A34JHS12X) (PVM-1350/1351Q)

SECTION 8 ELECTRICAL PARTS LIST

A (PVM-1351Q/1354Q)

NOTE:

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. sont critiques pour le secon.

Ne les remplacer que par une piece portant le numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- · All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
 F : nonflammable

When indicating parts by reference number, please include ence number, please the board name.

CAPACITORS COILS • MF : µF, PF : µµF * MMH : mH, UH : μH

- The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- * : Selected to yield optimum performance.
- · There are some cases the reference number on one hoard overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

					include ti	he board name.			
REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
1-540-044-11	A BOARD, COMPLETE (PVM-13 *************************** SOCKET, IC HEAT SINK, H. PIN	3510/135		C171 C172 C173 C174 C200	1-163-251-11 1-163-243-11 1-163-243-11 1-163-243-11 1-124-927-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	100PF 47PF 47PF 47PF 4.7MF	5% 5% 5% 20%	50V 50V 50V 50V 50V
*4-043-154-01 *4-043-994-01 4-363-414-00 4-382-854-11	HEAT SINK, H. PIN HOLDER, IC PLATE (CF), SHIELD SPACER, MICA SCREW (M3X10), P. SW (+)			C201 C202 C203 C204	1-106-383-00 1-163-017-00 1-124-927-11 1-124-907-11	MYLAR CERAMIC CHIP ELECT ELECT	0.047MF 0.0047MF	10% 10% 20% 20% 20%	100V 50V 50V 50V 16V
	ND PASS FLTER>				1-124-360-00 1-126-375-11			20%	25V
	FILTER, BAND PASS			C206 C207 C208 C209 C300	1-124-478-11 1-124-907-11 1-124-927-11 1-163-031-11	ELECT ELECT ELECT CERAMIC CHIP	100MF 100MF 10MF 4.7MF 0.01MF	20% 20% 20% 20%	25 V 50 V 50 V 50 V
	PACITOR>			C304	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V 50V
C115 1-163-031-11	CERAMIC CHIP O.OIMF CERAMIC CHIP O.OIMF	5% 5%	50V 50V 50V 50V 50V	C305 C306 C309 C310	1-163-125-00 1-163-031-11 1-163-031-11 1-164-004-11	CERAMIC CHIP CERAMIC CHIP	0.01MF 0.01MF	5% 10%	50 V 50 V 25 V
C116 1-163-031-11 C117 1-163-031-11 C118 1-163-125-00 C119 1-165-319-11 C121 1-163-237-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 220PF CERAMIC CHIP 0.1MF CERAMIC CHIP 27PF	5% 5%	50V 50V 50V 50V	C311 C312 C313 C314 C315	1-163-809-11 1-124-925-11 1-163-145-00 1-163-249-11 1-124-907-11	ELECT CERAMIC CHIP CERAMIC CHIP ELECT	2.2MF 0.0015MF 82PF 10MF	10% 20% 5% 5% 20%	25V 50V 50V 50V
C123 1-163-251-11 C124 1-163-251-11 C132 1-163-141-0 C133 1-163-251-11 C134 1-163-251-11 C135 1-163-251-11	CERAMIC CHIP 100PF CERAMIC CHIP 0.001MF CERAMIC CHIP 100PF	5% 5%	50V 50V 50V 50V 50V 50V	C316 C317 C318 C319 C320	1-124-477-11 1-163-097-00 1-124-907-11 1-163-222-11 1-163-031-11	CERAMIC CHIP ELECT	47MF 15PF 10MF 5PF 0.01MF	0.251%	50V
C136 1-163-251-1 C141 1-164-161-1 C142 1-163-125-0 C143 1-165-319-1 C144 1-165-319-1	CERAMIC CHIP 100PF	5% 10%	50V 50V 50V 50V 50V	C322 C323 C324 C325 C326	1-163-119-00 1-163-097-00 1-163-235-11 1-124-907-11 1-164-004-11	CERAMIC CHIE CERAMIC CHIE ELECT CERAMIC CHIE	2 15PF 22PF 10MF 2 0.1MF	5% 5% 5% 20% 10%	50V 50V 50V 50V 25V
C145 1-165-319-1 C154 1-163-037-1 C155 1-163-023-0	1 CERAMIC CHIP 0.1MF 1 CERAMIC CHIP 0.022MF 0 CERAMIC CHIP 0.015MF	10% 10% 10% 10%	50V 25V 50V 50V 50V	C327 C328 C329 C330 C331	1-164-004-11 1-163-031-11 1-163-251-11 1-163-243-11 1-163-097-00	CERAMIC CHIL CERAMIC CHIL CERAMIC CHIL	0.01MF 100PF 247PF	10% 5% 5% 5%	25V 50V 50V 50V 50V
C158 1-163-809-1 C159 1-163-037-1 C161 1-124-477-1	1 CERAMIC CHIP 0.047MF 1 CERAMIC CHIP 0.022MF 1 ELECT 47MF 10 CERAMIC CHIP 0.001MF	10% 10% 20% 5%	25V 25V 16V 50V 50V	C332 C333 C334 C335 C336	1-164-004-11 1-163-031-11 1-163-141-00 1-163-141-00	CERAMIC CHI CERAMIC CHI CERAMIC CHI ELECT	P 0.01MF P 0.001MF P 0.001MF 47MF	5% 5% 20%	25V 50V 50V 50V 25V
C165 1-165-319-1 C166 1-164-004-1 C167 1-124-472-1 C168 1-124-472-1	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF ELECT 470MF ELECT 470MF CERAMIC CHIP 0.01MF	10% 20% 20%	50V 25V 10V 10V	C337 C338 C339 C340 C341	1-163-031-1 1-163-119-00 1-163-097-00 1-163-031-1 1-163-119-00	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 0.01MF P 120PF P 15PF P 0.01MF P 120PF	5% 5% 5%	50V 50V 50V 50V 50V
C169 1-164-232-1	11 CERAMIC CHIP O.DIMF	10%	50V	C342		O CERAMIC CHI		10%	50V

		DESCRIPTION			REF.NO.	PART NO.	DESCRIPTION		REMARK
C343 C344	1-163-031-11	CERAMIC CHIP 0.01MF	5%	50V 50V	C409		CERAMIC CHIP 0.01MF		50V
C345 C346 C347	1-163-141-00 1-124-903-11 1-163-243-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.001MF ELECT 1MF CERAMIC CHIP 47PF	5% 20% 5%	50V 50V 50V	C410 C411 C414 C415	1-124-916-11 1-164-004-11 1-163-031-11 1-124-907-11	ELECT 22MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF ELECT 10MF CERAMIC CHIP 0.01MF	20% 10% 20%	50V 25V 50V 50V
C348 C349 C350	1-164-004-11 1-163-141-00	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.001MF	10% 5%	25V 50V	i				50V
C351 C352 C353	1-163-141-00 1-124-477-11 1-163-031-11	ELECT 47MF CERAMIC CHIP 0.01MF	20%	25V 50V	C417 C418 C419 C420 C421	1-164-182-11 1-164-182-11 1-124-472-11 1-163-809-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.0033MF ELECT 470MF CERAMIC CHIP 0.047MF CERAMIC CHIP 0.22MF	10% 20% 10%	50V 10V 25V 25V
C354 C355 C356 C357	1-163-121-00 1-124-903-11 1-124-927-11 1-163-031-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 150PF ELECT 1MF ELECT 4.7MF CERAMIC CHIP 0.01MF	5% 20% 20%	50V 50V 50V 50V	C422 C423 C424	1-124-903-11 1-163-809-11 1-163-809-11	ELECT 1MF CERAMIC CHIP 0.047MF	20% 10%	50V 25V 25V
C358 C359	1-163-031-11	CERAMIC CHIP 0.01MF	20%	50V	C425 C426	1-163-031-11 1-163-243-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 47PF	5%	50V 50V
C360 C361 C362	1-164-232-11 1-163-031-11 1-163-031-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF	10%	50V 50V 50V	C427 C428 C429 C430	1-124-119-00 1-163-031-11 1-124-119-00	CERAMIC CHIP 0.01MF ELECT 330MF CERAMIC CHIP 0.01MF ELECT 330MF	20% 20%	50V 16V 50V 16V
C364	1-163-099-00 1-163-031-11	CERAMIC CHIP 18PF CERAMIC CHIP 0.01MF	5% 10%	50V 50V 100V	C431	1-165-319-11	CERAMIC CHIP 0.1MF		50 V 25 V
C365 C366 C367	1-163-031-11 1-163-031-11	CERAMIC CHIP 18PF CERAMIC CHIP 0.01MF MYLAR 0.001MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF	10%	50V 50V	C433 C434 C435	1-163-235-11 1-163-031-11 1-163-089-00	CERAMIC CHIP 0.1MF CERAMIC CHIP 22PF CERAMIC CHIP 0.01MF CERAMIC CHIP 6PF CERAMIC CHIP 0.1MF	5%° 0.25PF	50V 50V 50V
C368 C369 C370	1-124-907-11 1-164-298-11 1-124-477-11	ELECT 10MF CERAMIC CHIP 0.15MF ELECT 47MF ELECT 47MF CERAMIC CHIP 0.01MF	20% 10% 20%	50V 25V 25V	C436	1-164-004-11 1-164-004-11	CERANIC CHIP 0.1MF CERANIC CHIP 0.1MF CERANIC CHIP 0.047MF	10%	25V
C371 C372	1-124-477-11 1-163-031-11	ELECT 47MF CERAMIC CHIP 0.01MF	20%	25V 50V	C438 C439 C440	1-163-809-11 1-163-809-11 1-163-031-11	CERAMIC CHIP 0.047MF	10%	25V 25V 50V
C373 C374 C375	1-163-141-00 1-124-903-11	CERAMIC CHIP 0.001MF ELECT 1MF CERAMIC CHIP 220PF	5% 20%	50V 50V 50V	C441 C442	1-126-962-11	ELECT 3.3MF	20% 10%	50V 25V
C376 C377	1-124-902-00	ELECT 0.47MF CERAMIC CHIP 0.047MF	20% 10%	50V 25V	C443 C444 C445	1-163-243-11 1-165-319-11	CERAMIC CHIP 0.047MF CERAMIC CHIP 47PF CERAMIC CHIP 0.1MF	5%	25V 50V 50V
C378 C379		CERAMIC CHIP 0.047MF CERAMIC CHIP 0.01MF	10%	25V 50V	C446		CERAMIC CHIP 0.1MF CERAMIC CHIP 0.047MF CERAMIC CHIP 6PF		
C380 C381 C382		CERAMIC CHIP 0.01MF ELECT 470MF CERAMIC CHIP 0.01MF CERAMIC CHIP 47PF		10V 50V 50V	C447 C448 C449 C450	1-163-263-11 1-163-243-11 1-163-227-11 1-163-809-11	CERAMIC CHIP 330PF CERAMIC CHIP 47PF CERAMIC CHIP 10PF CERAMIC CHIP 0.047MF CERAMIC CHIP 0.1MF	5% 5% 0.5PF 10%	50V 50V 50V 25V
C383 C384 C385	1-124-477-11 1-163-249-11	ELECT 47MF CERAMIC CHIP 82PF	20% 5%	25V 50V	C451				25V 50V
€386 €387	1-124-477-11 1-124-907-11 1-163-141-00	ELECT 47MF CERAMIC CHIP 82PF ELECT 47MF ELECT 10MF CERAMIC CHIP 0.001MF	20% 20% 5%	25V 50V 50V	C452 C453 C454	1-163-243-11	CERAMIC CHIP 330PF CERAMIC CHIP 0.01MF CERAMIC CHIP 47PF CERAMIC CHIP 330PF	5%	50V 50V
C388 C389	1-124-907-11 1-124-477-11	ELECT 10MF	20% 20%	50V 25V	C455 C456	1-163-263-11 1-163-089-00	CERAMIC CHIP 6PF	0.25P	
C390 C391 C392	1-163-243-11 1-124-477-11	CERAMIC CHIP 47PF ELECT 47MF	5% 20% 10%	50V 25V 25V	C457 C458 C459	1-163-031-11 1-163-249-11 1-165-319-11	CERAMIC CHIP 82PF	5%	50V 50V 50V
C393 C394		CERAMIC CHIP 0.15MF	10% 20%	25V 25V	C460 C461	1-164-004-11 1-163-119-00	CERAMIC CHIP 0.1MF	10% 5%	25V 50V
C395 C396 C397	1-163-235-11	CERAMIC CHIP 22PF	5% 10% 20%	50V 25V 25V	C462 C463 C464	1-163-031-11 1-163-031-11 1-164-299-11 1-163-097-00	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.22MF	10%	50V 50V 25V 50V
C398 C399	1-124-477-1	1 ELECT 47MF	20% 20%	25V 25V	C465 C466	1-163-119-00	CERAMIC CHIP 120PF	5% 5%	50V
C400 C401 C402	1-164-346-1	1 CERAMIC CHIP 1MF	10%	50V 16V 50V	C467 C469 C470	1-163-119-00 1-163-037-1 1-163-243-1	CERAMIC CHIP 0.022MF CERAMIC CHIP 47PF	5% 10% 5% 5%	50V 25V 50V
C403 C406	1-164-232-1	1 CERAMIC CHIP 0.01MF	10% 20%	50V 50V	C471 C472	1-163-105-0 1-163-031-1		5%	50V 50V
C407 C408	1-124-477-1	1 ELECT 47NF	20% 10%	25V 50V	C473 C475	1-163-031-1 1-163-031-1	1 CERAMIC CHIP 0.01MF 1 CERAMIC CHIP 0.01MF		50V 50V

The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la secunte. Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
C476 1-163-031-11 C477 1-164-299-11 C478 1-124-907-11 C479 1-163-121-00 C482 1-124-472-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.22MF ELECT 10MF CERAMIC CHIP 150PF ELECT 470MF	10% 20% 5% 20%	50V 25V 50V 50V 10V	1	1-124-667-11 1-126-163-11 1-106-375-12 1-126-336-11 1-130-736-11 1-124-907-11		10MF 4.7MF 0.022MF 220MF		50V 50V 100V 25V 50V
C483 1-163-249-11 C484 1-163-113-00 C485 1-163-113-00 C486 1-163-249-11 C487 1-163-235-11	CERAMIC CHIP 82PF CERAMIC CHIP 68PF CERAMIC CHIP 68PF CERAMIC CHIP 82PF CERAMIC CHIP 22PF	5% 5% 5% 5%	50V 50V 50V 50V	C555 C556 C557 C558 C559 C561	1-124-907-11 1-124-907-11 1-106-381-12 1-124-903-11 1-136-173-00 1-136-159-00	ELECT ELECT MYLAR ELECT FILM	10MF 10MF 0.039MF 1MF 0.47MF	20% 20% 10% 20% 5%	50V 50V 100V 50V 50V 50V
C492 1-164-336-11 C493 1-104-760-11	CEDAMIC CUID O OATME	10% 10%	50V 25V 25V 25V 50V	C562 C564 C565 C566 C567	1-163-249-11 1-124-907-11 1-124-903-11 1-106-367-00 1-136-499-11	CERAMIC CHIP ELECT ELECT MYLAR FILM	82PF 10MF 1MF 0.01MF	5% 20% 20% 10%	50V 50V 50V 100V 50V
C495 1-124-907-11 C496 1-163-249-11 C497 1-163-011-11 C498 1-124-925-11	CERAMIC CHIP 82PF CERAMIC CHIP 0.0015MF ELECT 2.2MF	20% 5% 10% 20%	50V 50V 50V 50V	C568 C569 C570 C571 C572	1-124-903-11 1-131-351-00 1-124-360-00 1-164-232-11 1-104-709-11	ELECT TANTALUM ELECT CERAMIC CHIP ELECT	1MF 4.7MF 1000MF 0.01MF 4.7MF	20% 10% 20% 10%	50V 25V 16V 50V 160V
	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.003MF CERAMIC CHIP 0.001MF CERAMIC CHIP 100PF		25V 50V 50V 50V	i	1-136-173-00 1-249-383-11 1-163-031-11 1-102-244-00 1-124-907-11	FILM	0.47MF	5% 1/4W	50V F 50V 500V 500V
C506 1-124-902-00 C507 1-126-375-11 C508 1-130-495-00	FILM 0.068MF CERAMIC CHIP 560PF ELECT 0.47MF ELECT 100MF MYLAR 0.1MF	20% 20% 5%	50V 50V 50V 25V 50V	4	1-136-540-11 1-126-804-11 1-136-756-11 1-124-927-11 1-102-002-00				200V 50V 200V 50V 500V
C511 1-108-700-11 C512 1-124-902-00 C513 1-126-096-11 C514 1-129-718-00	ELECT 0.47MF ELECT 10MF FILM 0.022MF		200V 50V 25V 630V		1-136-569-11 1-123-267-00 1-124-666-11 1-124-557-11 1-102-030-00				200V 160V 250V 25V 500V
C113 1-102-011-00	CERAMIC CHIP 0.0047MF	10%	25V 500V 50V 160V 50V	C588 C589 C590 C591 C592	1-124-667-11 1-102-030-00 1-126-387-11 1-106-371-00 1-123-932-00	ELECT CERAMIC ELECT MYLAR	10MF 330PF 2.2MF 0.015MF	20% 10% 20% 10%	50V 500V 50V 200V
	FILM 0.0078MF	20% 20% 3%	2KV 25V 50V 2KV	C592 C593 C594 C595 C596	1-165-319-11 1-163-229-11 1-126-336-11 1-124-478-11	CERAMIC CHIE CERAMIC CHIE ELECT ELECT	0.1MF 12PF 220MF 100MF	20% 5% 20% 20%	160V 50V 50V 25V 25V
C526 A 1-162-116-91 C529 1-104-789-51 C530 1-124-120-11 C531 1-124-477-11 C532 1-163-031-11	ELECT 0.47MF ELECT 220MF ELECT 47MF CERAMIC CHIP 0.01MF	10% 20% 20% 20%	2KV 50V 25V 25V 50V	C597 C598 C599 C1300 C1301	1-164-346-11 1-164-346-11 1-126-157-11 1-124-477-11 1-124-477-11	CERAMIC CHIE	1MF	20% 20% 20%	16V 16V 16V 25V 25V
C533 1-102-212-00 C534 1-123-948-00 C537 1-124-913-11 C538 1-106-367-00 C539 1-130-480-00	ELECT 22MF ELECT 470MF MYLAR 0.01MF	10% 20% 20% 10% 5%	500V 250V 50V 100V 50V	C1302 C1304 C1305 C1306 C1307	1-163-133-00 1-124-477-11 1-124-477-11	CERAMIC CHII ELECT ELECT CERAMIC CHII CERAMIC CHII	470PF 47MF 47MF P 0.01MF	5% 20% 20%	25V 25V 25V 50V 50V
C540 1-163-133-00 C541 1-124-927-11 C542 1-106-351-00 C543 1-106-351-00 C544 1-106-367-00	ELECT 4.7MF MYLAR 0.0022MF MYLAR 0.0022MF	5% 20% 10% 10% 10%	50V 50V 100V 100V 100V	C1308 C1309 C1310 C1311 C1312	1-124-907-11 1-163-257-11 1-163-031-11 1-124-477-11	CERAMIC CHIL CERAMIC CHIL ELECT	10MF P 180PF P 0.01MF 47MF	20% 5% 20%	50V 50V 50V 25V 50V
C545 1-102-212-00 C546 1-163-119-00 C547 1-163-251-11 C548 1-102-212-00	CERAMIC CHIP 120PF	10% 5% 5% 10%	500V 50V 50V 500V	C1313	1-163-031-11 1-163-031-11 1-124-477-11 1-124-477-11	CERAMIC CHI	47MF 47MF	20% 20%	25V 25V

REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO. PART NO. DESCRIPTION	REMARK
C1316 1-163-031-11 C1317 1-124-477-11 C1318 1-124-477-11 C1319 1-163-037-11 C1320 1-124-477-11	CERAMIC CHIP 0.01MF ELECT 47MF ELECT 47MF CERAMIC CHIP 0.022MF ELECT 47MF	50V 20% 25V 20% 25V 10% 25V 20% 25V	C1387 1-163-031-11 CERAMIC CHIP 0.01MF C1393 1-163-251-11 CERAMIC CHIP 100PF C1400 1-163-031-11 CERAMIC CHIP 0.01MF C1401 1-136-173-00 FILM 0.47MF	5% 50V 50V 5% 50V
C1321 1-124-477-11 C1322 1-124-120-11 C1323 1-163-031-11 C1324 1-163-031-11 C1325 1-163-031-11	ELECT 47MF ELECT 220MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF	20% 25V 20% 16V 50V 50V 50V	C1402 1-163-031-11 CERAMIC CHIP 0.01MF C1403 1-136-173-00 FILM 0.47MF C1404 1-164-299-11 CERAMIC CHIP 0.22MF C1405 1-163-235-11 CERAMIC CHIP 22PF C1406 1-163-090-00 CERAMIC CHIP 7PF C1407 1-163-085-00 CERAMIC CHIP 2PF C1408 1-163-113-00 CERAMIC CHIP 68PF	50V 50V 10% 25V 5% 50V 0.25PF 50V
C1326 1-124-477-11 C1327 1-163-031-11 C1328 1-163-031-11 C1329 1-124-907-11 C1330 1-163-031-11	ELECT 47MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 10MF CERAMIC CHIP 0.01MF	20% 25V 50V 50V 20% 50V	C1408 1-163-113-00 CERAMIC CHIP 68PF C1500 1-124-473-11 ELECT 1000MF C1501 1-124-472-11 ELECT 470MF C1502 1-101-821-00 CERAMIC CHIP 0.0022MF C1503 1-164-004-11 CERAMIC CHIP 0.1MF	20% 10V 20% 10V 500V
C1331 1-124-477-11 C1332 1-124-477-11 C1333 1-124-477-11 C1334 1-163-227-11 C1335 1-124-477-11	ELECT 47MF ELECT 47MF ELECT 47MF CERAMIC CHIP 10PF ELECT 47MF	20% 25V 20% 25V 20% 25V 0.5PF 50V 20% 25V	C1504 1-124-907-11 ELECT 10MF C1505 1-136-165-00 FILM 0.1MF C1506 1-124-119-00 ELECT 330MF C1507 1-163-141-00 CERAMIC CHIP 0.001MF C1508 1-124-927-11 ELECT 4.7MF	20% 50V 5% 50V 20% 16V 5% 50V
C1336 1-124-477-11 C1338 1-163-031-11 C1339 1-163-031-11 C1340 1-163-031-11 C1341 1-163-275-11	ELECT 47MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.001MF	20% 25V 50V 50V 50V 5% 50V	C1509 1-124-907-11 ELECT 10MF C1510 1-124-927-11 ELECT 4.7MF C1511 1-164-182-11 CERAMIC CHIP 0.0033MF C1512 1-124-927-11 ELECT 4.7MF C1513 1-163-133-00 CERAMIC CHIP 470PF	20% 50V 20% 50V 10% 50V 20% 50V
C1343 1-163-113-00 C1344 1-163-083-00 C1345 1-124-907-11 C1346 1-124-477-11	CERAMIC CHIP 68PF CERAMIC CHIP 1PF ELECT 10MF ELECT 47MF	5% 50V 0.25PF 50V 20% 50V 20% 25V	C1514 1-130-477-00 MYLAR 0.0033MF C1515 1-124-907-11 ELECT 10MF C1516 1-163-063-00 CERAMIC CHIP 0.022MF C1517 1-126-101-11 ELECT 100MF C1518 1-124-477-11 ELECT 47MF C1519 1-163-037-11 CERAMIC CHIP 0.022MF C1521 1-163-243-11 CERAMIC CHIP 47PF	5% 50V
C1347 1-163-031-11 C1348 1-163-127-00 C1349 1-163-117-00 C1350 1-164-232-11 C1351 1-124-903-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 270PF CERAMIC CHIP 100PF CERAMIC CHIP 0.01MF ELECT 1MF	50V 5% 50V 5% 50V 10% 50V 20% 50V	<connector></connector>	
	CERAMIC CHIP 0.015MF CERAMIC CHIP 0.01MF CERAMIC CHIP 150PF CERAMIC CHIP 220PF CERAMIC CHIP 22PF		CN101 *1-573-979-11 CONNECTOR, BOARD TO BO. CN102 *1-564-514-11 PLUG, CONNECTOR 11P CN104 *1-564-506-11 PLUG, CONNECTOR 3P CN105 *1-565-503-11 CONNECTOR, BOARD TO BO. CN201 *1-564-506-11 PLUG, CONNECTOR 3P	ARD 12P
	ELECT 330MF ELECT 47MF CERAMIC CHIP 330PF CERAMIC CHIP 0.0022MF CERAMIC CHIP 82PF		CN301 *1-564-514-11 PLUG, CONNECTOR 11P CN302 *1-564-510-11 PLUG, CONNECTOR 7P CN303 *1-564-515-11 PLUG, CONNECTOR 12P CN304 *1-564-509-11 PLUG, CONNECTOR 6P CN305 *1-565-504-11 CONNECTOR, BOARD TO BO	ARD 13P
C1363 1-163-235-11	CERAMIC CHIP 22PF CERAMIC CHIP 470PF CERAMIC CHIP 10PF ELECT 47MF	5% 50V 5% 50V 0.5PF 50V 20% 25V 20% 25V	CN401 *1-564-511-51 PLUG, CONNECTOR 8P CN402 *1-564-515-11 PLUG, CONNECTOR 12P CN501 *1-580-798-11 CONNECTOR PIN (DY) 6P CN502 *1-573-964-11 PIN, CONNECTOR (PC BOA CN503 *1-573-964-11 PIN, CONNECTOR (PC BOA	RD) 6P RD) 6P
C1369 1-163-237-11 C1370 1-163-237-11 C1372 1-124-477-11 C1373 1-124-477-11 C1374 1-124-477-11	CERAMIC CHIP 27PF ELECT 47MF ELECT 47MF	5% 50V 5% 50V 20% 25V 20% 25V 20% 25V	CN504 *1-564-508-11 PLUG, CONNECTOR 5P CN505 *1-564-506-11 PLUG, CONNECTOR 3P CN506 *1-564-506-11 PLUG, CONNECTOR 3P CN507 *1-535-419-00 TAB, FASTEN (PCB)	
C1375 1-124-927-11 C1378 1-163-097-00 C1380 1-163-101-00 C1381 1-163-101-00 C1382 1-124-443-00	CERAMIC CHIP 15PF CERAMIC CHIP 22PF CERAMIC CHIP 22PF	20% 50V 5% 50V 5% 50V 5% 50V 20% 10V	COMPOSITION CIRCUIT BLOCK> CP300 1-236-366-11 MODULE, TRAP CP301 1-236-365-11 MODULE, TRAP CP302 1-808-654-21 MODULE CP303 1-466-162-61 FILTER BLOCK, COM (CFB	
C1385 1-163-031-11	CERAMIC CHIP 0.1MF	20% 25V 25V 50V 50V	<diode> DIO1 8-719-800-76 DIODE 1SS226</diode>	

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
D104 D105	8-719-800-76 8-719-800-76	D10DE 1SS226 D10DE 1SV230TPH3 D10DE 1SS226 D10DE 1SS226 D10DE 1SS226		D406 D407 D408	8-719-404-46 8-719-404-46 8-719-404-46	DIODE MAILO	
D109 D110 D112 D113 D114	8-719-801-78 8-719-404-46 8-719-404-46 8-719-158-07 8-719-404-46	DIODE MA110 DIODE MA110 DIODE RD4.7SB		D410 D411 D414 D415 D416 D417	8-719-404-46 8-719-404-46 8-719-801-78 8-719-801-78 8-719-801-78 8-719-801-78	DIODE MA110 DIODE 1SS184 DIODE 1SS184 DIODE 1SS184	
D200 D300 D301 D302 D303	8-719-977-46 8-719-025-07 8-719-404-46 8-719-158-07 8-719-977-05	DIODE 1SV232-TPH3 DIODE MA110 DIODE RD4.7SB		D418 D421 D422 D423	8-719-801-78 8-719-404-46 8-719-404-46 8-719-800-76	DIODE ISS184 DIODE MAIIO DIODE MAIIO DIODE ISS226	
D304 D305 D306 D307 D309	8-719-104-34	DIODE 1SS184 DIODE 1SS226 DIODE 1S2836 DIODE MAIIO DIODE MAIIO		D424 D425 D426 D427 D500 D501	8-719-158-07 8-719-404-46 8-719-404-46	DIODE 1SS226 DIODE RD4.7SB DIODE MA110	
D310 D311 D313 D314 D315	8-719-104-34 8-719-045-70 8-719-801-78 8-719-404-46 8-719-404-46	DIODE 1S2836 DIODE 1SV23OTPH3 DIODE 1SS184 DIODE MAI10 DIODE MAI10		D502 D503 D504 D505 D506	8-719-979-80 8-719-404-46 8-719-901-83 8-719-028-72	DIODE UF5406 DIODE MA110 DIODE 1SS83 DIODE RGP02-17EL-6433 DIODE ERC06-15S	
D317 D318 D319 D320 D322	8-719-404-46 8-719-800-76 8-719-800-76 8-719-404-46 8-719-404-46	DIODE MA110 DIODE 1SS226 DIODE 1SS226 DIODE MA110 DIODE MA110		D507 D508 D509 D510	8-719-800-76 8-719-800-76 8-719-404-46 8-719-302-43 8-719-979-80	DIODE 1SS226 DIODE 1SS226 DIODE MAILO DIODE EL1Z	
D323 D324 D325 D326 D327		DIODE MA110 DIODE 1SV230TPH3 DIODE 1SS184 DIODE 1SV230TPH3 DIODE 1S2836		D513 D514 D515 D516 D517	8-719-404-46 8-719-971-20 8-719-971-20	DIODE MAIIO DIODE ERC38-06 DIODE ERC38-06 DIODE MAIIO	
D332 D333 D335 D336 D337	8-719-404-46 8-719-404-46 8-719-404-46 8-719-404-46 8-719-404-46	DIODE MAILO DIODE MAILO		D518 D519 D520 D521 D522	8-719-404-46 8-719-404-46 8-719-801-78 8-719-901-33 8-719-977-05	5 DIODE MAIIO 5 DIODE MAIIO 8 DIODE ISSI84 8 DIODE ISSI33 5 DIODE DTZ6.2	
D338 D339 D341 D344 D345		DIODE MA110 DIODE MA110 DIODE RD4.7SB DIODE 1SS184 DIODE 1S2836		D523 D524 D525 D526 D527	8-719-404-46 8-719-200-02 8-719-200-02 8-719-404-46	5 DIODE MAIIO 2 DIODE 10E-2 2 DIODE 10E-2 5 DIODE MAIIO 2 DIODE 10E-2	
D346 D347 D348 D349 D350	8-719-104-34 8-719-104-34 8-719-800-76 8-719-800-76 8-719-800-76	DIODE 1S2836 DIODE 1SS226 DIODE 1SS226		D528 D529 D530 D531 D532		5 DIODE RH-1A 2 DIODE 10E-2 5 DIODE RH-1A 2 DIODE DT211B	
D351 D352 D353 D354 D355	8-719-800-76 8-719-800-76 8-719-800-76 8-719-800-76	DIODE 188226 DIODE 188226 DIODE 188226		D533 D534 D535 D536 D537	8-719-302-43 8-719-404-46 8-719-404-46 8-719-800-76 8-719-800-76	DIODE EL1Z DIODE MAIIO DIODE MAIIO DIODE MAIIO DIODE 1SS226	
D360 D361 D362 D363 D364	8-719-104-34 8-719-104-34 8-719-158-40 8-719-158-40 8-719-104-34	DIODE 1S2836 DIODE RD1OSB1 DIODE RD1OSB1		D538 D539 D540 D541 D542	8-719-800-76 8-719-404-46 8-719-404-46 8-719-801-78	6 DIODE 188226 6 DIODE MA110 6 DIODE MA110	
D365 D381 D401 D404	8-719-404-46 8-719-404-46 8-719-404-46 8-719-800-76	DIODE MA110 DIODE MA110			<di< td=""><td>ELAY LINE> 1 DELAY LINE, Y</td><td></td></di<>	ELAY LINE> 1 DELAY LINE, Y	
						•	

Les composants (dentifies par une trame et une marque 🐧 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
DL301 1-415-632-11 DL401 1-409-547-11	DELAY LINE, Y DELAY LINE		10506	8-759-009-51	IC MC14538BF		
<f11< td=""><td>TER></td><td></td><td>1C507 1C508 1C509</td><td>8-759-100-60 8-752-053-21 8-759-998-98</td><td>IC UPC1377C IC CXA1211M IC LM358D</td><td></td><td></td></f11<>	TER>		1C507 1C508 1C509	8-759-100-60 8-752-053-21 8-759-998-98	IC UPC1377C IC CXA1211M IC LM358D		
FL300 1-236-547-11 FL401 1-236-364-11	TRAP, LC FILTER, BAND PASS		10510	8-759-009-51	IC MC14538BF		
<10	·		1 101	<001	LEDUCTOR	2288	
I C101 8-759-196-71 I C102 8-759-168-37 I C103 8-759-008-48 I C104 8-759-262-59	IC UPD78013YCW-Y03 IC ST24C01B1 IC MC74HC86F IC UPD6451AGT-632-E2		L102 L104 L105 L300	1-408-417-00 1-410-478-11 1-410-482-31 1-410-478-11	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR	33UH 47UH 47UH 100UH 47UH	
IC106 8-759-196-70 IC106 8-759-196-70 IC107 8-759-196-70 IC108 8-759-042-02 IC109 8-759-196-70	IC M62358FP-E1 IC M62358FP-E1 IC M62358FP-E1 IC S-80743AL-A7-S IC M62358FP-E1		L301 L302 L303 L304 L305	1-408-411-00 1-412-008-31 1-408-416-00 1-412-008-31 1-410-196-11	INDUCTOR INDUCTOR CHIP INDUCTOR INDUCTOR CHIP INDUCTOR CHIP	15UH 15UH 39UH 15UH 2.2UH	
I C110 8-759-196-70 I C111 8-759-009-22 I C200 8-759-420-04 I C301 8-752-053-21 I C302 8-759-998-98	1C M62358FP-E1 1C MC14094BF 1C AN5265 1C CXA1211M 1C LM358D		L306 L307 L308 L309 L311	1-408-416-00 1-408-411-00 1-410-466-41 1-410-470-11 1-410-470-11	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR	39NH 15NH 4.7NH 10NH 10NH	
I C303 8-752-056-67 I C304 8-759-509-19 I C305 8-759-631-08 I C306 8-759-711-32 I C309 8-759-711-32	IC CXA1214P IC XRU4053BF-E2 IC M51279FP IC NJM2245M IC NJM2245M		L312 L314 L316 L317 L319	1-412-011-31 1-412-011-31 1-412-011-31 1-410-090-41 11-408-421-00	INDUCTOR CHIP INDUCTOR CHIP INDUCTOR CHIP INDUCTOR INDUCTOR	27UH 27UH 27UH 18MMH 100UH	
I C310 8-759-509-19 I C311 8-759-509-05 I C312 8-759-711-32 I C313 8-759-501-21 I C314 8-759-501-21	DESCRIPTION DELAY LINE, Y DELAY LINE TRAP, LC FILTER, BAND PASS IC UPD78013YCW-Y03 IC ST24C01B1 IC MC74HC86F IC UPD6451AGT-632-E2 IC M62358FP-E1 IC MC14094BF IC AN5265 IC CXA1211M IC LM358D IC CXA1211M IC LM358D IC CXA1214P IC XRU4053BF-E2 IC M51279FP IC NJM2245M IC MM1149XF IC MM149XF IC MM149XF IC MM149XF		L320 L401 L402 L403 L404	1-410-478-11 1-410-478-11 1-410-216-31 1-410-216-31 1-410-216-31	INDUCTOR INDUCTOR INDUCTOR CHIP INDUCTOR CHIP INDUCTOR CHIP	47UH 47UH 100UH 100UH 100UH	
I C316 8-759-048-09 I C317 8-759-009-51 I C318 8-759-509-57 I C320 8-759-501-21	IC XRU4U53BF-E2 IC MM1148XF IC MC14538BF IC XRU4584BF IC MM1149XF		L405 L406 L407 L408 L409	1-408-419-00 1-408-419-00 1-408-413-00 1-408-413-00 1-410-214-31	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR CHIP	68UH 68UH 22UH 22UH 68UH	
I C322 8-759-501-21 I C322 8-759-501-21 I C323 8-759-501-21 I C324 8-759-501-21 I C325 8-759-501-21	1C MM1149XF 1C MM1149XF 1C MM1149XF 1C MM1149XF		L500 L501 L502 L503 L504	1-459-155-00 1-407-365-00 1-407-365-00 1-410-093-11 1-410-666-31	COIL (WITH COR COIL, CHOKE COIL, CHOKE INDUCTOR INDUCTOR	33MMH 18UH	
I C403 8-759-509-05	1C XRU4066BF		L505 L507 L508 L509 L511	1-410-671-31 1-410-686-11 1-412-530-31 1-459-075-00 1-459-106-00			
I C404 8-752-052-62 I C405 8-759-509-19 I C406 8-759-998-98 I C407 8-759-509-05 I C408 8-759-509-01 I C409 8-759-998-96	S IC LM358D S IC XRU4066BF IC XRA10393F		L513 L514 L515	1-459-155-00 1-412-447-11 1-459-104-00 1-459-059-00 1-459-760-13	COIL (WITH CON- INDUCTOR COIL, DUST CON- COIL, DUST CON- COIL, HORIZONT	3.9MMH LE RE CAL LINEARITY	
I C410 8-759-932-64 I C411 8-759-008-92 I C412 8-759-509-19 I C413 8-759-509-19	1 1C BU4052BF 2 1C MC14024BF 3 1C XRU4053BF-E2			1-412-547-21 <nec 1-519-526-11</nec 	N LAMP>	680UH	
1 C502 8-759-009-51	IC MC14538BF IC MC14538BF IC CXA1211M		0101 0102	8-729-901-01	NSISTOR: TRANSISTOR DTG TRANSISTOR 25/		

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q103 Q104 Q105 Q107 Q108	8-729-216-22 8-729-907-26 8-729-901-06 8-729-901-06 8-729-120-28	TRANSISTOR 2SA1162-G TRANSISTOR 1MX1 TRANSISTOR DTA144EK TRANSISTOR DTA144EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR		Q354 Q355 Q356 Q357	8-729-120-28 8-729-120-28 8-729-901-01 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6	5
Q109 Q110 Q111 Q112 Q113	8-729-120-28 8-729-120-28 8-729-901-06 8-729-120-28 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTA144EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		Q359 Q360 Q361 Q362	8-729-216-22 8-729-907-26 8-729-901-06 8-729-120-28	TRANSISTOR 2SA1162-G TRANSISTOR IMX1 TRANSISTOR DTA144EK TRANSISTOR 2SC1623-L5L	
Q114 Q200 Q201 Q300 Q301	8-729-119-78 8-729-140-96 8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SD774-34 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		Q364 Q365 Q366 Q367	8-729-901-01 8-729-901-01 8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G	v
Q302 Q303 Q304 Q305 Q306	8-729-216-22 8-729-120-28 8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		Q369 Q372 Q376 Q377 Q378	8-729-901-06 8-729-901-01 8-729-901-01 8-729-901-01 8-729-901-06	TRANSISTOR DTA144EK TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR DTC144EK	
Q307 Q308 Q309 Q310 Q311	8-729-120-28 8-729-120-28 8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G		Q401 Q402 Q403 Q404 Q404	8-729-120-28 8-729-120-28 8-729-901-01 8-729-216-22 8-729-216-22	TRANSISTOR 2SC1623-L5L TRANSISTOR 2SC1623-L5L TRANSISTOR DTC144EK TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G	6
Q312 Q313 Q314 Q315 Q316	8-729-120-28 8-729-216-22 8-729-901-06 8-729-216-22 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR DTA144EK TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6		Q406 Q407 Q408 Q409 Q410	8-729-120-28 8-729-120-28 8-729-216-22 8-729-216-22 8-729-907-26	TRANSISTOR 2SC1623-L5L TRANSISTOR 2SC1623-L5L TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR IMX1	6 6
Q318 Q319 Q320 Q321 Q322	8-729-216-22 8-729-120-28 8-729-119-78 8-729-120-28 8-729-120-28	TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		Q411 Q412 Q413 Q414 Q415	8-729-120-28 8-729-216-22 8-729-141-53 8-729-216-22 8-729-216-22	TRANSISTOR 2SC1623-1.5L TRANSISTOR 2SA1162-G TRANSISTOR 2SK94-X2X3X TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G	4
Q323 Q324 Q325 Q326 Q327	8-729-901-01 8-729-901-01 8-729-120-28 8-729-120-28 8-729-216-22	TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G		Q416 Q417 Q418 Q419 Q420	8-729-216-22 8-729-216-22 8-729-120-28 8-729-216-22 8-729-216-22	TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G	6
Q328 Q329 Q330 Q331 Q332	8-729-141-53 8-729-141-53 8-729-216-22 8-729-216-22 8-729-901-01	TRANSISTOR 25K94-X2X3X4 TRANSISTOR 25K94-X2X3X4 TRANSISTOR 25A1162-G TRANSISTOR 25A1162-G TRANSISTOR DTC144EK		Q421 Q422 Q423 Q424 Q425	8-729-901-01 8-729-120-28 8-729-120-28 8-729-901-01 8-729-901-01	TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L51 TRANSISTOR DTC144EK TRANSISTOR DTC144EK	6 6
Q 333 Q 334 Q 335 Q 336 Q 337	0 14/ 10/ 33	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SK94-X4 TRANSISTOR 2SC1623-L5L6		Q426 Q428 Q429 Q430 Q431	8-729-901-01 8-729-216-22 8-729-216-22 8-729-120-28 8-729-120-28	TRANSISTOR 2SC1623-L5L	.6
Q338 Q339 Q341 Q342 Q343	8-729-920-39	TRANSISTOR 2SA1162-G TRANSISTOR IMT1US		Q432 Q433 Q434 Q435 Q436	8-729-120-28 8-729-901-01 8-729-120-28 8-729-901-01 8-729-901-01	TRANSISTOR 2SC1623-L51 TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L51 TRANSISTOR DTC144EK	.6
Q345 Q346 Q347 Q348 Q349	8-729-120-28 8-729-901-01 8-729-216-22	TRANSISTOR DTC144EK		Q438 Q439 Q440 Q441	8-729-901-01 8-729-120-28 8-729-216-22 8-729-120-28 8-729-141-53	TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5I TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5I	.6
Q350 Q351 Q352 Q353	8-729-216-22 8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		Q442 Q443 Q444	8-729-120-28 8-729-216-22	TRANSISTOR 25K94-72Z07 TRANSISTOR 25K1623-1.51 TRANSISTOR 25K1162-G TRANSISTOR 25K1623-L51	.6

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
Q445 Q500 Q501 Q502 Q503	8-729-901-01 8-729-216-22 8-729-800-35 8-729-119-80 8-729-313-42	TRANSISTOR DTC144EK TRANSISTOR 25A1162-G TRANSISTOR 25D1397-CA TRANSISTOR 25C2688-LK TRANSISTOR 25D134-C		R134 R135 R136 R137	1-216-065-00 1-216-085-00 1-216-295-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 33K 5% 0 5% 4.7K 5%	1/10W 1/10W 1/10W 1/10W
Q505 Q506 Q507 Q508 Q509	8-729-120-28 8-729-120-28 8-729-120-28 8-729-216-22 8-729-901-06	DESCRIPTION		R138 R139 R140 R141 R142	1-216-295-00 1-216-295-00 1-216-033-00 1-216-085-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 220 5% 33K 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
Q510 Q511 Q512 Q513 Q514	8-729-120-28 8-729-195-82 8-729-122-03 8-729-901-00	TRANSISTOR DTC144ES TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC2958-L TRANSISTOR 2SA1220A-P TRANSISTOR DTC124EK		R143 R144 R145 R147 R148	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
Q515 Q517 Q518 Q519 Q520	8-729-169-02 8-729-901-06 8-729-901-01 8-729-901-01 8-729-905-67	TRANSISTOR 2SC2690A-Q TRANSISTOR DTA144EK TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR 2SD1944-K		R149 R150 R151 R152 R153	1-216-065-00 1-216-295-00 1-216-061-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 0 5% 3.3K 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
Q522 Q523 Q524 Q525 Q526	8-729-120-28 8-729-120-28 8-729-119-78 8-729-119-76 8-729-216-22	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA1175-HFE TRANSISTOR 2SA1162-G		R154 R155 R156 R157 R158	1-216-065-00 1-249-434-11 1-216-295-00 1-216-065-00 1-216-295-00	METAL GLAZE CARBON METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 27K 5% 0 5% 4.7K 5% 0 5%	1/10W 1/4W 1/10W 1/10W 1/10W
Q527	8-729-120-28 <res< td=""><td>TRANSISTOR 25C1623-L5L6</td><td></td><td>R159 R160 R162 R163</td><td>1-216-063-00 1-216-061-00 1-216-065-00 1-216-065-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>3.9K 5% 3.3K 5% 4.7K 5% 4.7K 5%</td><td>1/10W 1/10W 1/10W 1/10W 1/10W</td></res<>	TRANSISTOR 25C1623-L5L6		R159 R160 R162 R163	1-216-063-00 1-216-061-00 1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.9K 5% 3.3K 5% 4.7K 5% 4.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
JR122 JR123 JR302 R101 R102	1-216-295-00 1-216-295-00 1-216-295-00 1-216-025-00 1-216-025-00	METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 100 5% METAL GLAZE 100 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R165 R167 R168 R169	1-216-295-00 1-216-061-00 1-216-085-00 1-216-107-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 3.3K 5% 33K 5% 270K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R103 R104 R105 R106 R107	1-216-025-00 1-216-073-00 1-216-059-00 1-216-065-00 1-216-065-00	METAL GLAZE 100 5% METAL GLAZE 10K 5% METAL GLAZE 2.7K 5% METAL GLAZE 4.7K 5% METAL GLAZE 4.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R171 R172 R173 R174	1-216-031-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	180 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R108 R109 R110 R111 R112	1-216-065-00 1-216-065-00 1-216-073-00 1-216-295-00 1-216-295-00	METAL GLAZE 4.7K 5% METAL GLAZE 4.7K 5% METAL GLAZE 10K 5% METAL GLAZE 0 5% METAL GLAZE 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R177 R180 R181 R183	1-216-065-00 1-216-295-00 1-216-065-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 0 5% 4.7K 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R113 R114 R115 R116 R117	1-216-085-00 1-216-295-00 1-216-295-00 1-218-761-11 1-216-089-91	METAL GLAZE 33K 5% METAL GLAZE 0 5% METAL GLAZE 0 5% METAL CHIP 240K 0.50% METAL GLAZE 47K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R185 R186 R187 R188 R188	1-216-073-00 1-216-295-00 1-216-061-00 1-216-295-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 0 5% 3.3K 5% 0 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R120 R121 R122	1-216-295-00 1-216-689-11 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R190 R192 R193 R194 R195	1-216-049-00 1-216-073-00 1-216-295-00 1-216-295-00 1-216-071-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 10K 5% 0 5% 0 5% 8.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R123 R124 R125 R126 R127	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE 0 5% METAL GLAZE 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R197 R198 R199 R200 R201	1-216-061-00 1-216-295-00 1-216-295-00 1-216-684-11 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	3.3K 5% 0 5% 0 5%	1/10W 1/10W 1/10W 50% 1/10W
R128 R129 R130 R131 R132	1-216-295-00 1-216-295-00 1-216-099-00 1-216-295-00 1-216-065-00	METAL GLAZE 0 5% METAL GLAZE 120K 5% METAL GLAZE 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R202 R203 R204 R205 R206	1-212-857-00 1-260-095-11 1-260-072-11 1-216-647-11 1-216-073-00	FUSIBLE CARBON CARBON METAL CHIP	10 5% 470 5% 4.7 5%	1/4W F 1/2W 1/2W 50% 1/10W
R133	1-216-091-00	METAL GLAZE 56K 5%	1/10W	1.200	1 210 010 00	HEIRE ULNEE	100 26	1/ 10#

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REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.		DESCRIPTION				REMARK
R207 R208 R209 R210 R211	1-216-065-00 1-216-065-00 1-216-073-00 1-216-061-00 1-249-393-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE CARBON	4.7K 4.7K 10K 3.3K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/4W		R364 R366 R367	1-216-113- 1-216-113- 1-216-065- 1-216-051- 1-216-049-	00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 4.7K 1.2K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R237 R301 R302 R303 R304	1-216-089-91 1-216-025-00 1-216-025-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	47K 100 100 100 100	5%	1/10W 1/10W 1/10W 1/10W 1/10W		ווכא ו	1-216-053- 1-216-645- 1-216-647- 1-216-053-	00	METAL GLAZE METAL GLAZE METAL CHIP METAL CHIP	680	5% 0.50% 0.50%	1/10W 1/10W 1/10W	
R305 R306 R307 R308 R311	1-216-295-00 1-216-295-00 1-216-115-00 1-216-065-00 1-216-055-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 0 560K 4.7K 1.8K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R376 R378 R379 R380 R381 R382	1-216-111- 1-216-111- 1-216-069- 1-216-065-	·00 ·00 ·00	METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 390K 390K 6.8K 4.7K 39K 270K		1/10W 1/10W 1/10W 1/10W 1/10W	
R312 R313 R314 R315 R316	1-216-073-00 1-216-649-11 1-216-099-00 1-216-099-00 1-216-049-00	METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	10K 820 120K 120K 1K	5% 0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R382 R383 R384 R385	1-216-689- 1-216-107- 1-216-061- 1-216-073- 1-216-065- 1-216-029-	·00 ·00	METAL GLAZE METAL GLAZE METAL GLAZE	270K 3.3K 10K 4.7K 150 220		1/10W 1/10W 1/10W 1/10W	,
R317 R318 R319 R320 R321	1-216-057-00 1-216-049-00 1-216-069-00 1-216-057-00 1-216-051-00	METAL GLAZE METAL GLAZE	2.2K 1K 6.8K 2.2K 1.2K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R388 R389 R391 R393	1-216-033- 1-216-645- 1-216-113- 1-216-073-	-00 -11 -00 -00	METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE	560 470K 10K	5% 0.50% 5% 5%	1/10W	
R322 R323 R324 R325 R326	1-216-035-00 1-216-109-00 1-216-101-00 1-216-037-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	270 330K 150K 330 220	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R396 R397 R398	1-216-113- 1-216-113- 1-216-105-	-00 -00 -00	METAL GLAZE METAL GLAZE	27K 680 470K 470K 220K 390K 1.5K	0.50%	1/10W 1/10W 1/10W 1/10W	
R328 R329 R330 R331 R332	1-216-121-00 1-216-055-00 1-216-089-91 1-216-093-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1M 1.8K 47K 68K 100K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R401 R402 R403 R404	1-216-111- 1-216-053- 1-216-053- 1-216-069- 1-216-029-	-00 -00 -00	METAL GLAZE	1.5K 1.5K 6.8K 150 27K 33K		1/10W 1/10W 1/10W 1/10W 1/10W	
R333 R334 R335 R336 R337	1-216-097-00 1-216-093-00 1-216-083-00 1-216-065-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	100K 68K 27K 4.7K 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W			1-216-083- 1-216-085- 1-216-689- 1-216-069- 1-216-033-	-00 -11 -00 -00	METAL GLAZE	39K	0.50%	1/10W 1/10W 1/10W 1/10W 1/10W	
R338 R339 R340 R341 R342	1-216-091-00 1-216-071-00 1-216-089-91 1-216-673-11 1-216-065-00	METAL GLAZE	56K 8.2K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R412 R413 R416 R417 R418	1-216-089- 1-216-668- 1-216-113- 1-216-665- 1-216-667-	-11	METAL GLAZE METAL CHIP METAL GLAZE METAL CHIP METAL CHIP	5.1K	0.50%		
R343 R344 R345 R346 R347	1-216-095-00 1-216-099-00 1-216-063-00 1-216-057-00 1-216-065-00	METAL GLAZE	82K 120K 3.9K 2.2K 4.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R419 R420 R422 R423 R424	1-216-065- 1-216-689- 1-216-073- 1-216-073- 1-216-033-	-00	METAL GLAZE METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K	5% 5% 5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R348 R349 R350 R351 R352	1-216-031-00 1-216-694-11 1-216-085-00 1-216-061-00 1-216-675-11	METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE METAL CHIP	180 62K 33K 3.3K 10K	5% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R425 R426 R427 R428 R429	1-216-049- 1-216-039- 1-216-033- 1-216-097- 1-216-073-	-00 -00 -00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 1K 390 220 100K 10K	55% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R353 R355 R356 R357 R358	1-216-049-00 1-216-059-00 1-216-689-11 1-216-121-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 2.7K 39K 1M	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R430 R431 R432 R434	1-216-119- 1-216-097- 1-216-089- 1-216-109-	-00 -00 -91 -00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	820K 100K 47K 330K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R359 R360 R361 R362	1-216-053-00 1-216-065-00 1-216-039-00 1-216-025-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 4.7K 390 100 5.6K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R435 R436 R437 R438 R439	1-216-105- 1-216-113- 1-216-097- 1-216-053- 1-216-033-	-00 -00		220K 470K 100K 1.5K 220	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	

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REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R440 R441 R442	1-216-049-00 1-216-645-11 1-216-647-11	METAL GLAZE METAL CHIP METAL CHIP	680	0.50%	1/10W 1/10W		R507	1-216-083-00		27K 220K	_	1/10W 1/10W	
R443 R444	1-216-049-00 1-216-105-00	METAL GLAZE METAL GLAZE	1K 220K	5% 5%	1/10W 1/10W		R509 R510 R511	1-216-105-00 1-216-089-91 1-216-097-00 1-216-099-00 1-216-055-00	METAL GLAZE METAL GLAZE METAL GLAZE	220K 47K 100K 120K 1.8K	5%	1/10W 1/10W 1/10W	
R445 R447 R448	1-216-095-00 1-216-069-00 1-216-049-00 1-216-073-00	METAL GLAZE	82K 6.8K 1K	5% 5% 5%	1/10W 1/10W 1/10W		R512	1-216-055-00 1-216-295-00 1-216-295-00				1/10W 1/10W	
R449 R450 R451	1-216-121-00	METAL GLAZE	330	5% 5% 5%	1/100		R513 R514 R515 R516 R517	1-216-295-00 1-216-675-11 1-216-697-11 1-214-888-00	METAL CHIP METAL CHIP METAL CHIP	0 0 10K 82K 10K	0.50%	1/10W 1/10W 1/10W 1/2W	
R452 R453 R455 R456	1-216-651-11 1-216-097-00 1-216-085-00 1-216-053-00	METAL CHIP METAL GLAZE METAL GLAZE	1K 100K 33K 1.5K	0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R518 R519 R520 R521 R522		CARBON METAL GLAZE CARBON METAL GLAZE CARBON			1/2W 1/10W 1/4W 1/10W	F
R 457 R 458 R 459	1-216-025-00 1-216-113-00 1-216-649-11	METAL GLAZE	100 470K 820	5% 5% 0.50%	1/10W 1/10W		R522					1/2W	F
R460 R462	1-216-649-11 1-216-073-00 1-216-651-11	METAL CHIP	10K 1K	5% 0.50%	1/10W 1/10W		R523 R524 R525 R526 R527	1-215-892-11 1-216-093-00 1-216-069-00 1-216-089-91	METAL GLAZE METAL GLAZE	1K 68K 6.8K 47K 47K	5% 5% 5%	1/10W 1/10W 1/10W	
R 463 R 464 R 465	1-216-065-00 1-216-065-00 1-216-025-00 1-216-077-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 4.7K 100 15K 1M	5% 5% 5%	1/10W 1/10W 1/10W		R527	1-216-089-91 1-216-089-91 1-216-089-91	METAL GLAZE			1/10W 1/10W	
R466 R467	1-216-121-00	METAL GLAZE			1/10W 1/10W		R528 R529 R530 R531 R532	1-216-367-11 1-216-077-00	METAL OXIDE METAL GLAZE	47K 47K 0.68 15K	5% 5% 5%	1/10W 2W 1/10W	F
R468 R469 R470	1-216-105-00 1-216-063-00 1-216-069-00 1-216-109-00 1-216-077-00	METAL GLAZE METAL GLAZE METAL GLAZE	220K 3.9K 6.8K 330K 15K	5% 5% 5%	1/10W 1/10W 1/10W		ness	1-215-919-71	METAL OXIDE			3W	F F
R471 R472 R473	1-216-109-00 1-216-077-00 1-216-121-00				1/10W 1/10W		R535 R535 R536 R537	1-216-085-00 1-249-448-11 1-216-101-00 1-216-089-91	CARBON METAL GLAZE	6.8K 33K 1.2 150K 47K	5% 5% 5%	1/10W 1/4W 1/10W 1/10W	F
R474 R475 R476	1-216-649-11 1-216-025-00 1-216-061-00	METAL CHIP METAL GLAZE METAL GLAZE	820 100 3.3K 3.3K	B 50%	-1/1ก⊌		R539 R540			4.7K	5% 5%	1/10W 1/10W	
R477 R478	1-216-061-00	METAL GLAZE			1/10W 1/10W 1/10W		R539 R540 R541 R542 R543	1-249-383-11 1-216-057-00 1-212-883-00	METAL GLAZE METAL GLAZE CARBON METAL GLAZE FUSIBLE	1.5 2.2K 120	5% 5%	1/4W 1/10W 1/4W	
R479 R480 R481 R482	1-216-073-00 1-216-085-00 1-216-077-00 1-216-033-00 1-216-057-00	METAL GLAZE	10K 33K 15K 220 2.2K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R544 R545 R546		METAL GLAZE METAL GLAZE CARBON METAL GLAZE METAL CHIP	82K 10K 4.7K	5% 5% 5%	1/10W 1/10W 1/4W	F
R483 R484 R485	1-216-025-00 1-216-651-11 1-216-033-00	METAL GLAZE METAL CHIP METAL GLAZE	100 1K 220	5% 0.50%	1/10W 1/10W		R549			12K	U.5U%	17 10W	
R486 R487	1-216-681-11 1-216-653-11	METAL CHIP	18K 1.2K	0.50% 5% 0.50% 0.50%	1/10W 1/10W		R549 R550 R551 R552 R553	1-216-053-00 1-216-077-00 1-216-033-00 1-216-083-00	METAL GLAZE METAL GLAZE METAL GLAZE	15K 220 27K	5% 5% 5%	1/10W 1/10W 1/10W	
R488 R489 R490	1-216-073-00 1-216-077-00 1-216-057-00	METAL GLAZE	10K 15K 2.2K 3.3K	5% 5% 5% 5%	1/10W 1/10W 1/10W		R554 R555 R556	1-216-095-00 1-216-692-11	METAL GLAZE	82K 51K	5% 0.50%	1/10W 1/10W	
R491 R492	1-216-061-00 1-216-085-00	METAL GLAZE METAL GLAZE	33K		1/10W 1/10W		R558	1-216-464-11 1-247-711-11 1-216-109-00	METAL OXIDE CARBON METAL GLAZE	18K 680 330K	5% 5% 5%	2W 1/4W 1/10W	F
R493 R494 R495	1-216-295-00 1-216-085-00 1-216-651-11	METAL GLAZE METAL CHIP	0 33K 1K	5% 5% 0.50%	1/10W 1/10W 1/10W		R560	1-216-091-00	METAL GLAZE	56K	5%	1/10W 1/10W	
R496 R497	1-216-073-00 1-216-653-11	METAL CHIP	10K 1.2K		1/10W 1/10W		R563 R564 R565	1-216-017-00 1-216-107-00 1-216-033-00	METAL GLAZE METAL GLAZE	47 270K 220 27K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
R498 R499 R500 R501	1-216-061-00 1-216-033-00 1-216-689-11 1-216-077-00	METAL GLAZE METAL GLAZE	3.3K 220 39K 15K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W)	R566 R567 R568	1-216-685-11 1-216-081-00 1-216-073-00	METAL GLAZE	27K 22K 10K	0.50% 5% 5%	1/10W 1/10W 1/10W	
R502 R503	1-216-677-11	METAL CHIP	12K 12K	0.50%	1/10W 1/10W	}	R569 R571 R572	1-216-073-00 1-260-114-11 1-216-065-00 1-216-059-00	CARBON METAL GLAZE	18K 4.7K 2.7K	5% 5% 5%	1/10W 1/2W 1/10W	
R504 R505 R506	1-216-111-00 1-216-067-00 1-216-073-00	METAL GLAZE METAL GLAZE	390K 5.6K 10K	5%	1/10V 1/10V 1/10V 1/10V)	R573 R574	1-216-071-00 1-216-689-11	METAL GLAZE	8.2K 39K	5% 5%	1/10W 1/10W 1/10W	
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REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R576 R578 R580 R582 R583	1-216-101-00 1-216-693-11 1-216-105-00 1-216-085-00 1-216-039-00	METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	150K 56K 220K 33K 390	5% 0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1146 R1147 R1148 R1150 R1151	1-216-057-00 1-216-057-00 1-216-065-00 1-216-037-00 1-216-081-00	METAL GLAZE	2.2K 2.2K 4.7K 330	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R584 R585 R586 R587 R588	1-216-071-00 1-216-033-00 1-216-686-11 1-216-675-11 1-216-077-00	METAL GLAZE METAL GLAZE METAL CHIP METAL CHIP METAL GLAZE	8.2K 220 30K 10K 15K	5% 5% 0.50% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1155 R1161 R1162 R1163	1-216-133-00 1-218-776-11 1-218-768-11 1-216-033-00 1-216-049-00	METAL GLAZE METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE	3.3M 1M 470K 220	5% 0.50% 0.50% 5%	1/10W	
R589 R590 R591 R592 R593	1-216-067-00 1-216-081-00 1-216-683-11 1-247-688-11 1-216-647-11	METAL GLAZE METAL GLAZE METAL CHIP CARBON METAL CHIP	5.6K 22K 22K 10 680	5% 5% 0.50% 5% 0.50%	1/10W 1/10W 1/10W 1/4W 1/10W	F	R1165 R1166 R1167 R1168	1-216-049-00 1-216-295-00 1-216-097-00 1-216-097-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 0 100K 100K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R597 R598	1-260-104-91 1-216-689-11 1-214-754-00 1-249-417-11 1-216-085-00	CARBON METAL GLAZE METAL CARBON METAL GLAZE	2.7K 39K 11K 1K 33K	5% 5% 1% 5% 5%	1/2W 1/10W 1/4W 1/4W 1/10W	F	R1170 R1171 R1172 R1173 R1176	1-216-089-91 1-216-085-00 1-216-085-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47K 33K 33K 0	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	1-216-699-11	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	560 0 0 15K 100K	0.50% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W		R1177 R1178 R1179 R1180 R1181	1-216-071-00 1-216-295-00 1-216-041-00 1-216-089-91 1-216-295-00	METAL GLAZE	8.2K 0 470 47K 0	5 % % % % % % % % % % % % % % % % % % %	1/10W 1/10W 1/10W 1/10W 1/10W	
R 1 105 R 1 106 R 1 107 R 1 108 R 1 109	1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	10K 100K 2.7K 18K 0	5% 5% 5% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1182 R1183 R1184 R1185 R1186	1-216-131-11 1-216-071-00 1-216-131-11 1-216-071-00 1-216-131-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.7M 8.2K 2.7M 8.2K 2.7M 8.2K	5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R1110 R1111 R1112 R1113 R1114	1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 4.7K 4.7K 22K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1187 R1188 R1189 R1190 R1191	1-216-071-00 1-216-131-11 1-216-071-00 1-216-131-11 1-216-071-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	8.2K 2.7M 8.2K 2.7M 8.2K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R1115 R1116 R1117 R1118 R1119	1-216-049-00 1-216-677-11 1-216-069-00 1-216-113-00 1-216-694-11	METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE METAL CHIP	1K 12K 6.8K 470K 62K	5% 0.50% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W		R1192 R1193 R1194 R1195 R1196	1-216-131-11 1-216-025-00 1-216-085-00 1-216-025-00 1-216-085-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	8.2K 2.7M 100 33K 100 33K	5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R 1120 R 1123 R 1124 R 1125 R 1126	1-216-071-00 1-216-113-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47K 8.2K 470K 1K 470	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1197 R1198 R1301 R1302	1-216-025-00 1-216-085-00 1-216-029-00 1-216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	33K 150 150 390	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R 1127 R 1128 R 1129 R 1130 R 1131	1-216-065-00 1-216-071-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 4.7K 8.2K 1K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	}	R1304 R1305 R1306 R1307 R1308	1-216-033 -0 0 1-216-645-11	METAL GLAZE METAL CHIP METAL GLAZE	39K 220 560 56K 560	5% 5% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R 1132 R 1133 R 1134 R 1135 R 1136	1-216-069-00 1-216-073-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	8.2K 6.8K 10K 0 100K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W) 	R1309 R1310 R1311 R1312	1-216-025-00 1-216-025-00 1-216-089-91 1-216-027-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 100 47K 120	5% %%%%%%% 55555555555	1/10W 1/10W 1/10W 1/10W	
R 1137 R 1138 R 1139 R 1140 R 1141	1-216-081-00 1-216-055-00 1-216-653-11	METAL GLAZE METAL GLAZE METAL CHIP	10K 22K 1.8K 1.2K 27K		1/10W 1/10W 1/10W 1/10W 1/10W	} }	R1313 R1314 R1315 R1316 R1317	1-216-081-00 1-216-025-00 1-216-065-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 22K 100 4.7K 470	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R 1142 R 1143 R 1144 R 1145	1-216-653-11	METAL CHIP METAL GLAZE	1.2K 1.2K 10K 5.6K		% 1/10% % 1/10% 1/10% 1/10%	j	R1318 R1319 R1320 R1321	1-216-085-00	METAL GLAZE METAL GLAZE	3.3K 33K 4.7K 820	5% 5%	1/10W 1/10W 1/10W 1/10W	1

BENARY PART NO. DESCRIPTION DESCRIPT	 															
R1331 1-216-679-11 MSTAL CHIP 5K 0.50X 7/10W R1395 1-216-071-00 MSTAL GLAZE 470 5X 7/10W R1395 1-216-071-00 MSTAL GLAZE 5X 5X 7/10W R1395 1-216-071-00 MSTAL GLAZE 5X 5X 7/10W R1395 1-216-071-00 MSTAL GLAZE 5X 5X 7/10W R1395 1-216-073-00 MSTAL GLAZE 5X 5X 7/10W R1397 1-216-053-00 MSTAL GLAZE 5X 7/10W R1397 1-216-053-00 MSTAL GLAZE 5X 7/10W R1398 1-216-073-00 MSTAL GLAZE							REMARK	REF.NO.	PART N	10.						REMARK
R1331 1-216-679-11 MSTAL CHIP 5K 0.50X 7/10W R1395 1-216-071-00 MSTAL GLAZE 470 5X 7/10W R1395 1-216-071-00 MSTAL GLAZE 5X 5X 7/10W R1395 1-216-071-00 MSTAL GLAZE 5X 5X 7/10W R1395 1-216-071-00 MSTAL GLAZE 5X 5X 7/10W R1395 1-216-073-00 MSTAL GLAZE 5X 5X 7/10W R1397 1-216-053-00 MSTAL GLAZE 5X 7/10W R1397 1-216-053-00 MSTAL GLAZE 5X 7/10W R1398 1-216-073-00 MSTAL GLAZE	R1322 R1323 R1324 R1325 R1326	1-216-057-00 1-216-097-00 1-216-061-00 1-216-652-11 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	2.2K 100K 3.3K 1.1K 10K	5% 5% 5% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1386 R1387 R1388 R1389 R1390	1-216- 1-216- 1-216- 1-216-	-077-00 -653-11 -689-11 -657-11	METAL METAL METAL METAL	GLAZE CHIP CHIP CHIP	15K 1.2K 39K 1.8K	5% 0.50% 0.50% 0.50%	1/10W 1/10W 1/10W 1/10W	
R1336 1-216-095-00 METAL GLAZE 82K 5% 1/10W R1336 1-216-095-00 METAL GLAZE 82K 5% 1/10W R1338 1-216-067-11 METAL GLAZE 82K 5% 1/10W R1338 1-216-067-11 METAL GLAZE 33K 5% 1/10W R1338 1-216-037-00 METAL GLAZE 20 5% 1/10W R1338 1-216-037-00 METAL GLAZE 20 5% 1/10W R1340 1-216-035-00 METAL GLAZE 20 5% 1/10W R1340 1-216-035-00 METAL GLAZE 20 5% 1/10W R1340 1-216-035-00 METAL GLAZE 20 5% 1/10W R1341 1-216-033-00 METAL GLAZE 30 5% 1/10W R1341 1-216-033-00 METAL GLAZE 20 5% 1/10W R1351 1-216-033-00 ME	R1328 R1329 R1330 R1331	1-216-679-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	10K 1.5M 180K 22K 15K	5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W		R1391 R1392 R1393 R1394 R1395	1-216- 1-216- 1-216- 1-216- 1-216-	-025-00 -041-00 -063-00 -041-00 -071-00	METAL METAL METAL METAL METAL	GLAZE GLAZE GLAZE GLAZE GLAZE	100 470 3.9K 470 8.2K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R1340 -216-033-00 METAL GLAZE 220 52 1/10W R1341 -216-033-00 METAL GLAZE 220 52 1/10W R1342 1-216-033-00 METAL GLAZE 220 52 1/10W R1342 1-216-033-00 METAL GLAZE 220 52 1/10W R1342 1-216-033-00 METAL GLAZE 27K 51 1/10W R1342 1-216-033-00 METAL GLAZE 27K 51 1/10W R1344 1-216-033-00 METAL GLAZE 27K 51 1/10W R1344 1-216-033-00 METAL GLAZE 68K 52 1/10W R1344 1-216-033-00 METAL GLAZE 68K 52 1/10W R1346 1-216-033-00 METAL GLAZE 68K 52 1/10W R1346 1-216-033-00 METAL GLAZE 68K 52 1/10W R1346 1-216-033-00 METAL GLAZE 68K 52 1/10W R1348 1-216-037-00 METAL GLAZE 68K 52 1/10W R1348 1-216-037-00 METAL GLAZE 68K 52 1/10W R1348 1-216-037-00 METAL GLAZE 68K 52 1/10W R1349 1-216-035-00 METAL GLAZE 68K 52 1/10W R1349 1-216-035-00 METAL GLAZE 68K 52 1/10W R1350 1-216-037-00 METAL GLAZE 68K 52 1/10W R1351 1-216-035-00 METAL GLAZE 62K 52 1/10W R1351 1-216-055-00 METAL GLAZE 62K 52 1/10W R1351 1-216-055-00 METAL G	R1334 R1335 R1336	1-216-063-00 1-249-401-11 1-216-095-00	CARBON METAL GLAZE	6.8K 1K 3.9K 47 82K	0.50% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/4W 1/10W	F	R1396 R1397 R1399 R1401 R1402	1-216- 1-216- 1-216- 1-216- 1-216-	-071-00 -065-00 -073-00 -085-00 -295-00	METAL METAL METAL METAL METAL	GLAZE GLAZE GLAZE GLAZE GLAZE	8.2K 4.7K 10K 33K		1/10W	
R1344 1-216-093-00 METAL GLAZE 68K 5% 1/10W R1346 1-216-033-00 METAL GLAZE 10K 5% 1/10W R1346 1-216-097-00 METAL GLAZE 10K 5% 1/10W R1341 1-216-073-00 METAL GLAZE 20K 5% 1/10W R1348 1-216-071-00 METAL GLAZE 10K 5% 1/10W R1348 1-216-073-00 METAL GLAZE 270K 5% 1/10W R1348 1-216-073-00 METAL GLAZE 270K 5% 1/10W R1348 1-216-073-00 METAL GLAZE 270K 5% 1/10W R1349 1-216-073-00 METAL GLAZE 270K 5% 1/10W R1349 1-216-073-00 METAL GLAZE 270K 5% 1/10W R1345 1-216-073-00 METAL GLAZE 270K 5% 1/10W R1355 1-216-073-00 METAL GLAZE 270K 5% 1/10W R1355 1-216-053-00 METAL GLAZE 270K 5% 1/10W R1356 1-216-053-00 METAL G	R1340 R1341	1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	220 220 220 220	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1404 R1405 R1406 R1407	1-216- 1-216- 1-216- 1-216- 1-216-	-651-11 -681-11 -071-00 -653-11 -061-00	METAL METAL METAL METAL METAL	CHIP CHIP GLAZE CHIP GLAZE		0.50%	1/ IOW	
R1348 1-216-071-00 METAL GLAZE 8.2K 5% 1/10W R1350 1-216-073-00 METAL GLAZE 270 5% 1/10W R1350 1-216-073-00 METAL GLAZE 200 5% 1/10W R1351 1-216-033-00 METAL GLAZE 200 5% 1/10W R1351 1-216-033-00 METAL GLAZE 200 5% 1/10W R1353 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R1353 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R1355 1-216-033-00 METAL GLAZE 220 5% 1/10W R1356 1-216-013-00 METAL GLAZE 220 5% 1/10W R1358 1-216-071-00 METAL GLAZE 220 5% 1/10W R1358 1-216-071-00 METAL GLAZE 220 5% 1/10W R1359 1-216-055-00 METAL GLAZE 200 5% 1/10W R1350 1-216-013-00 METAL GLAZE 200	R1346	1-216-109-00	METAL GLAZE		5% 5% 5%	1/10W 1/10W 1/10W		R1409 R1410 R1411	1-216- 1-216- 1-216- 1-216-	-295-00 -053-00 -073-00 -107-00	METAL METAL METAL METAL	GLAZE GLAZE GLAZE GLAZE				
R 1353 -216-033-00 METAL GLAZE 47K 5% 1/10W R1455 -216-033-00 METAL GLAZE 220 5% 1/10W R1456 -216-049-01 METAL GLAZE 220 5% 1/10W R1457 -216-089-01 METAL GLAZE 220 5% 1/10W R1457 -216-089-01 METAL GLAZE 220 5% 1/10W R1457 -216-089-00 METAL GLAZE 220 5% 1/10W R1457 -216-089-00 METAL GLAZE 230 5.50% 1/10W R1458 -216-071-00 METAL GLAZE 250 5% 1/10W R1458 -216-081-00 METAL GLAZE 220 5% 1/10W R1458 -216-081-00 METAL GLAZE 220 5% 1/10W R1458 -216-081-00 METAL GLAZE 220 5% 1/10W R1458 -216-081-00 METAL GLAZE 270K 5% 1/10W R1459 -216-081-00 METAL GLAZE 270K 5% 1/10W R1459 -216-081-00 METAL GLAZE 270K 5% 1/10W R1459 -216-081-00 METAL GLAZE 220K 5% 1/10W R1459 -216-081-00 METAL GLAZE 2	R1349 R1350 R1351	1-216-035-00 1-216-073-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE		5% 5% 5%	1/10W 1/10W 1/10W		1	1-216- 1-216- 1-216- 1-216-	-057-00 -093-00 -113-00 -033-00	METAL METAL METAL METAL	GLAZE GLAZE GLAZE GLAZE			1/10W 1/10W 1/10W 1/10W	
R1359 1-216-069-00 METAL GLAZE 120K 5% 1/10W R1361 1-216-113-00 METAL GLAZE 4.7K 5% 1/10W R1361 1-216-113-00 METAL GLAZE 4.7K 5% 1/10W R1363 1-216-13-00 METAL GLAZE 4.7K 5% 1/10W R1363 1-216-113-00 METAL GLAZE 4.7K 5% 1/10W R1363 1-216-113-00 METAL GLAZE 4.7K 5% 1/10W R1363 1-216-113-00 METAL GLAZE 4.7K 5% 1/10W R1364 1-216-073-00 METAL GLAZE 10K 5% 1/10W R1365 1-216-131-11 METAL GLAZE 10K 5% 1/10W R1366 1-216-081-00 METAL GLAZE 2.7M 5% 1/10W R1366 1-216-081-00 METAL GLAZE 2.7M 5% 1/10W R1366 1-216-081-00 METAL GLAZE 2.7M 5% 1/10W R1368 1-216-089-00 METAL GLAZE 2.7K 5% 1/10W R1369 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R1369 1-216-051-00 METAL GLAZE 2.7K 5% 1/10W R1370 1-216-105-00 METAL GLAZE 2.7K 5% 1/10W R1371 1-216-113-00 METAL GLAZE 2.7K 5% 1/10W R1373 1-216-063-00 METAL GLAZE 2.7K 5% 1/10W R1374 1-216-103-00 METAL GLAZE 3.9K 5% 1/10W R1375 1-216-645-11 METAL GLAZE 3.9K 5% 1/10W R1376 1-216-645-11 METAL GLAZE 1.2K 5% 1/10W R1376 1-216-063-00 METAL GLAZE 3.9K 5% 1/10W R1376 1-216-645-11 METAL GLAZE 1.2K 5% 1/10W R1378 1-216-063-00 METAL GLAZE 1.2K 5% 1/10W R1379 1-216-063-00 METAL GLAZE 1.2K 5% 1/10W R1379 1-216-063-00 METAL GLAZE 1.2K 5% 1/10W R1379 1-216-065-00 METAL GLAZE 2.2K 5% 1/10W R1379 1-216-065-00 METAL GLAZE 3.0K 5% 1/10W R1381 1-216-065-00 METAL GLAZE 3.0K 5% 1/10W R1381 1-216-065-00 METAL GLAZE 3.0K 5% 1/10W R1383 1-216-065-00 METAL	R 1355	1-216-065-00 1-216-065-00 1-216-089-91 1-216-033-00 1-216-105-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE			1/10W 1/10W 1/10W 1/10W 1/10W		R1418 R1419 R1420 R1421 R1422	1-216	-033-00	METAL	GLAZE	100 47K 820	5% 5% 0.50%	1/10W 1/10W 1/10W	
R 1364 1-216-073-00 METAL GLAZE 10K 5% 1/10W R 1365 1-216-081-00 METAL GLAZE 2.7M 5% 1/10W R 1366 1-216-081-00 METAL GLAZE 2.2K 5% 1/10W R 1366 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W R 1368 1-216-059-00 METAL GLAZE 2.7K 5% 1/10W R 1369 1-216-051-00 METAL GLAZE 2.7K 5% 1/10W R 1370 1-216-105-00 METAL GLAZE 2.0K 5% 1/10W R 1371 1-216-105-00 METAL GLAZE 2.0K 5% 1/10W R 1373 1-216-063-00 METAL GLAZE 3.9K 5% 1/10W R 1373 1-216-645-11 METAL CHIP 560 0.50% 1/10W R 1376 1-216-645-11 METAL CHIP 560 0.50% 1/10W R 1376 1-216-055-00 METAL GLAZE 3.9K 5% 1/10W R 1378 1-216-065-00 METAL GLAZE 3.9K 5% 1/10W R 1381 1-216-0645-11 METAL CHIP 560 0.50% 1/10W R 1344 1-216-037-00 METAL GLAZE 3.9K 5% 1/10W R 1381 1-216-0647-11 METAL CHIP 560 0.50% 1/10W R 1444 1-216-057-00 METAL GLAZE 3.9K 5% 1/10W R 1381 1-216-0647-11 METAL CHIP 560 0.50% 1/10W R 1445 1-216-071-00 METAL GLAZE 3.9K 5% 1/10W R 1383 1-216-645-11 METAL CHIP 560 0.50% 1/10W R 1445 1-216-071-00 METAL GLAZE 3.9K 5% 1/10W R 1383 1-216-0647-11 METAL CHIP 560 0.50% 1/10W R 1445 1-216-085-00 METAL GLAZE 3.9K 5% 1/10W R 1383 1-216-0647-11 METAL CHIP 560 0.50% 1/10W R 1445 1-216-085-00 METAL GLAZE 3.9K 5% 1/10W R 1383 1-216-0647-11 METAL CHIP 560 0.50% 1/10W R 1445 1-216-085-00 METAL GLAZE 3.9K 5% 1/10W R 1383 1-216-0647-11 METAL CHIP 560 0.50% 1/10W R 1446 1-216-071-00 METAL GLAZE 3.9K 5% 1/10W R 1383 1-216-0647-11 METAL CHIP 560 0.50% 1/10W R 14	R 1358 R 1359 R 1360 R 1361	1-216-071-00 1-216-099-00 1-216-065-00 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE	150K 8.2K 120K 4.7K 470K	5% 5%	1/10W 1/10W		R1424	1-216	-081-00 -013-00	METAL METAL	GLAZE GLAZE	22K	5% 5% 5%	1/10W 1/10W 1/10W	
R1370 1-216-105-00 METAL GLAZE 220K 5% 1/10W R1371 1-216-113-00 METAL GLAZE 220K 5% 1/10W R1371 1-216-113-00 METAL GLAZE 220K 5% 1/10W R1372 1-249-437-11 CARBON 47K 5% 1/4W R1373 1-216-063-00 METAL GLAZE 3.9K 5% 1/10W R1374 1-216-101-00 METAL GLAZE 3.9K 5% 1/10W R1375 1-216-645-11 METAL CHIP 560 0.50% 1/10W R1376 1-216-647-11 METAL CHIP 680 0.50% 1/10W R1377 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R1378 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R1378 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R1378 1-216-056-00 METAL GLAZE 1.8K 5% 1/10W R1379 1-216-056-00 METAL GLAZE 1.8K 5% 1/10W R1380 1-216-645-11 METAL CHIP 560 0.50% 1/10W R1381 1-216-0647-00 METAL GLAZE 30 5% 1/10W R1381 1-216-0647-00 METAL GLAZE 30 5% 1/10W R1383 1-216-645-11 METAL CHIP 560 0.50% 1/10W R1384 1-216-071-00 METAL GLAZE 2.2K 5% 1/10W R1383 1-216-681-11 METAL CHIP 560 0.50% 1/10W R1384 1-216-071-00 METAL GLAZE 33K 5% 1/10W R1384 1-216-071-00 METAL GLAZE 2.2K 5% 1/10W	R 1362 R 1363 R 1364 R 1365 R 1366	1-216-676-11 1-216-113-00 1-216-073-00 1-216-131-11 1-216-081-00	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	11K 470K 10K 2.7M 22K	0.50% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1428 R1429 R1430 R1431	1-216 1-216 1-216 1-216	-061-00 -668-11 -073-00 -129-00	METAL METAL METAL METAL	GLAZE CHIP GLAZE GLAZE	3.3K 5.1K 10K 2.2M	5%	1/10W	
R1372 1-249-437-11 CARBON 4/K 5% 1/4W R1373 1-216-063-00 METAL GLAZE 3.9K 5% 1/10W R1374 1-216-101-00 METAL GLAZE 150K 5% 1/10W R1375 1-216-645-11 METAL CHIP 560 0.50% 1/10W R1376 1-216-647-11 METAL CHIP 680 0.50% 1/10W R1377 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R1378 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R1378 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R1379 1-216-037-00 METAL GLAZE 4.7K 5% 1/10W R1379 1-216-067-00 METAL GLAZE 4.7K 5% 1/10W R1378 1-216-645-11 METAL CHIP 560 0.50% 1/10W R1379 1-216-647-11 METAL CHIP 560 0.50% 1/10W R1380 1-216-645-11 METAL CHIP 560 0.50% 1/10W R1381 1-216-645-11 METAL CHIP 560 0.50% 1/10W R1383 1-216-645-11 METAL CHIP 560 0.50% 1/10W R1383 1-216-647-11 METAL CHIP 560 0.50% 1/10W R1383 1-216-647-11 METAL CHIP 560 0.50% 1/10W R1383 1-216-647-11 METAL CHIP 560 0.50% 1/10W R1383 1-216-647-10 METAL GLAZE 3.0 5% 1/10W R1383 1-216-647-11 METAL CHIP 560 0.50% 1/10W R1383 1-216-681-11 METAL CHIP 560 0.50% 1/10W R1384 1-216-071-00 METAL GLAZE 3.2K 5% 1/10W R1384 1-216-091-00 METAL GLAZE 3.5K 5% 1/10W R1384 1-216-091-00 METAL GLAZE 2.2K 5% 1/10W R1384 1-216-091-00 METAL GLAZE 3.2K 5% 1/10W R1384 1-216-091-00 METAL GLAZE 2.2K 5% 1/10W R1384 1-216-091-00 METAL GLAZE 3.2K 5% 1/10W R1384 1-216-091-00 METAL GLAZE 2.2K 5% 1/10W	R 1367 R 1368 R 1369 R 1370 R 1371	1-216-057-00 1-216-059-00 1-216-051-00 1-216-105-00 1-216-113-00	METAL GLAZE	220K	5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/10W		R1434 R1435 R1436	1-216 1-216	-055-00 -073-00	METAL	GLAZE GLAZE	1.8K 10K	0.50%	1/10W 1/10W 1/10W 1/10W	
R1377 1-216-055-00 METAL GLAZE 1.8K 5% 1/10W R1378 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R1379 1-216-037-00 METAL GLAZE 330 5% 1/10W R1380 1-216-645-11 METAL CHIP 560 0.50% 1/10W R1381 1-216-647-11 METAL CHIP 680 0.50% 1/10W R1381 1-216-073-00 METAL GLAZE 8.2K 5% 1/10W R1381 1-216-073-00 METAL GLAZE 8.2K 5% 1/10W R1381 1-216-647-11 METAL CHIP 680 0.50% 1/10W R1381 1-216-073-00 METAL GLAZE 8.2K 5% 1/10W R1383 1-216-681-11 METAL CHIP 18K 0.50% 1/10W R1383 1-216-081-00 METAL GLAZE 33K 5% 1/10W R1383 1-216-681-11 METAL CHIP 18K 0.50% 1/10W R1383 1-216-081-00 METAL GLAZE 33K 5% 1/10W R1383 1-216-091-00 METAL GLAZE 56K 5% 1/10W R1384 1-216-091-00 METAL GLAZE 56K 5% 1/10W R1384 1-216-091-00 METAL GLAZE 56K 5% 1/10W			METAL GLAZE METAL GLAZE METAL CHIP	3.9K 150K 560	0.507	1/10W 1/10W 1/10W		R1438 R1439 R1440 R1441	1-216 1-216 1-216 1-216	-073-00 -059-00 -041-00 -033-00	METAL METAL METAL METAL	GLAZE GLAZE GLAZE GLAZE	10K 2.7K 470 220	5%	1/10W 1/10W 1/10W 1/10W	
R1383 1-216-681-11 METAL CHIP 18K 0.50% 1/10W R1384 1-216-091-00 METAL GLAZE 56K 5% 1/10W R1449 1-216-057-00 METAL GLAZE 2.2K 5% 1/10W	R 1377 R 1378 R 1379 R 1380	1-216-055-00 1-216-065-00 1-216-037-00 1-216-645-11	METAL GLAZE METAL GLAZE METAL CHIP	4.7K 330 560	0.50%	1/10W 1/10W 1/10W		R1444 R1445	1-216 1-216 1-216 1-216	-073-00 -013-00 -057-00 -071-00	METAL METAL METAL METAL	GLAZE GLAZE GLAZE	10K 33 2.2K 8.2K		1/10W 1/10W 1/10W 1/10W	
	R 1382 R 1383 R 1384	1-216-073-00 1-216-681-11 1-216-091-00	METAL GLAZE METAL CHIP METAL GLAZE	10K 18K 56K	5% 0.50%	1/10W 1/10W 1/10W		R1447 R1448 R1449	1-216 1-216 1-216	-081-00 -085-00 -057-00	METAL METAL METAL	. GLAZE . GLAZE . GLAZE	22K 33K 2.2K	5%	1/10W 1/10W 1/10W	

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

A (PVM-1351Q/1354Q)

REF.NO. PART NO.	DESCRIPTION				REMARK		PART NO.	DESCRIPTION				REMARK
R1451 1-216-093-00 R1452 1-216-085-00 R1453 1-216-013-00 R1454 1-216-065-00 R1455 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	68K 33K 33 4.7K 470K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1520 R1521 R1522	1-216-355-11 1-216-007-00 1-216-029-00 1-249-400-11 1-216-350-11	METAL GLAZE METAL GLAZE	3.3 18 150 39 1.2	5% 5%	1W 1/10W 1/10W 1/4W 1W	1
R1456 1-216-129-00 R1457 1-216-089-91 R1458 1-216-085-00 R1459 1-216-133-00 R1460 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2M 47K 33K 3.3M 100K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1524 R1525 R1526 R1527	1-216-427-00 1-216-083-00	METAL OXIDE METAL GLAZE METAL GLAZE CARBON METAL OXIDE	120 27K 47K 470 1K	5%	1 W 1/10W 1/10W 1/4W 1W	F
R1461 1-216-645-11 R1462 1-216-645-11 R1463 1-216-645-11 R1464 1-216-057-00 R1465 1-216-097-00	METAL CHIP METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE	560 2.2K 100K	0.50% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		0.1500	1 202 020 11	SOLID METAL GLAZE CARRON	0 01/	20% 5% 5%	1/2W 1/10W 1/4W 1/10W 1/4W	F
R1466 1-216-055-00 R1467 1-216-073-00 R1468 1-249-438-11 R1469 1-216-057-00 R1470 1-216-057-00	METAL GLAZE METAL GLAZE CARBON METAL GLAZE METAL GLAZE	1.8K 10K 56K 2.2K 2.2K	5% 5% 5%	1/10W		R1537	1-249-389-11	CARBON	4.7	0.50% 5%	1/10W	F
R1471 1-216-049-00 R1472 1-216-085-00 R1473 1-216-081-00 R1474 1-216-687-11 R1475 1-216-677-11	METAL GLAZE METAL GLAZE METAL CHIP	1 K 33 K 22 K 33 K 12 K	5% 5% 5% 0.50% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W		R1539 R1540 R1541	1-216-073-00 1-216-689-11 1-216-105-00 1-216-081-00 1-216-111-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 39K 220K 22K 390K	5555 5555 5	1/10W 1/10W 1/10W 1/10W	
R1476 1-216-063-00 R1477 1-216-057-00 R1478 1-216-061-00 R1479 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.9K 2.2K 3.3K	5%	1/10W			1-216-027-00 1-216-117-00 1-216-101-00 1-216-393-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL OXIDE	120 680K 150K 2.2	5% 5% 5% 5%	1/10W 1/10W 1/10W 3W	F
R1480 1-216-089-91 R1481 1-216-115-00 R1482 1-216-089-91 R1483 1-216-089-91 R1484 1-216-081-00	METAL GLAZE METAL GLAZE	47K 560K 47K 47K 22K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1549 R1550 R1551 R1552	1-216-057-00 1-260-094-11 1-216-105-00 1-249-393-11 1-216-091-00	CARBON METAL GLAZE CARBON METAL GLAZE	2.2K 390 220K 10 56K	5% 5% 5% 5% 5%	1/10W 1/2W 1/10W 1/4W 1/10W	F
R1485 1-216-113-00 R1486 1-216-121-00 R1487 1-216-113-00 R1488 1-216-083-00 R1489 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 1M 470K 27K 6.8K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1554 R1555 R1556	1-216-091-00 1-216-059-00 1-216-295-00 1-216-071-00 1-218-760-11	METAL GLAZE METAL GLAZE METAL GLAZE	0	5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W	
R1490 1-216-035-00 R1491 1-216-035-00 R1492 1-216-035-00 R1493 1-216-083-00 R1494 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE	270 270 270 27K 22K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1558 R1559 R1560 R1561 R1562	1-249-393-11 1-249-393-11 1-216-049-00 1-216-681-11 1-214-964-00	CARBON METAL GLAZE METAL CHIP METAL	10 10 1K 18K 1M	0.50% 1%	1/4W 1/4W 1/10W 1/10W 1/4W	F
R1495 1-216-089-91 R1497 1-216-113-00 R1498 1-216-057-00 R1499 1-216-057-00 R1500 1-216-647-11	METAL GLAZE METAL GLAZE METAL GLAZE	47K 470K 2.2K 2.2K 680	5% 5%	47 400		R1564 R1567	1-214-964-00 1-216-681-11 1-216-089-91 1-216-081-00 1-216-073-00	METAL METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	1M 18K 47K 22K 10K	1% 0.50% 5% 5% -5%	1/4W 1/10W 1/10W 1/10W 1/10W) }
R 1501 1-216-071-00 R 1502 1-260-105-11 R 1503 1-216-063-00 R 1504 1-216-686-11	CARBON METAL GLAZE METAL GLAZE METAL CHIP	8.2K 3.3K 3.9K 30K	5% 5% 5% 0.50%	1/10W 1/2W 1/10W 1/10W		R1570 R1571 R1572 R1573 R1574	1-216-073-00 1-216-103-91 1-216-101-00 1-216-073-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 180K 150K 10K 470	5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/10W 1/10W 1/10W 1/10W 1/10W) }
R1506 1-216-037-00 R1507 1-216-065-00 R1508 1-216-689-11 R1509 1-249-439-11	METAL GLAZE METAL GLAZE METAL GLAZE CARBON	10 330 4.7K 39K 68K	5% 5% 5% 5% 5% 5%	1/4W 1/10W 1/10W 1/10W 1/4W		R1575 R1576 R1577 R1578 R1579	1-216-025-00 1-216-025-00 1-216-025-00 1-216-065-00 1-216-689-11	METAL GLAZE METAL GLAZE METAL GLAZE	100 100 100 4.7K 39K	555555555	1/10W 1/10W 1/10W 1/10W 1/10W	i i
R1510 1-216-077-00 R1511 1-216-360-11 R1512 1-216-647-11 R1513 1-247-752-11 R1514 1-247-711-11	METAL OXIDE METAL CHIP CARBON	15K 8.2 680 1K 680	5% 5% 0.50% 5% 5% 5%	1/10W 1W 1/10W 1/2W 1/4W	F	R2300 R2301 R2302 R2303	1-216-065-00 1-216-065-00 1-216-671-11 1-216-093-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	4.7K 4.7K 6.8K 68K	5% 5%	1/10W 1/10W 1/10W 1/10W)
R1515 1-216-350-11 R1516 1-247-883-00	METAL OXIDE	1.2 150K 470		1/4W 1/4W 1/4W	F		1-216-105-00 1-216-085-00 1-216-089-91	METAL GLAZE	220K 33K 47K	5% 5% 5%	1/10W 1/10W 1/10W	V

The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.

Should replacement be required, replace only with the value originally used.

REF.NO. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R2307 1-216-033-00 R2308 1-216-103-91 R2309 1-216-049-00 R2310 1-216-095-00 R2311 1-216-073-00 R2312 1-216-053-00 R2313 1-216-049-00 R2314 1-216-645-11 R2315 1-216-679-11 R2316 1-216-081-00 R2317 1-216-081-00 R2318 1-216-09-00 R2319 1-216-09-00 R2319 1-216-09-00 R2320 1-216-677-11 R2321 1-216-057-00 R2322 1-216-065-00 R2323 1-216-065-00 R2323 1-216-063-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 180K 1K 82K 10K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R2372 R2374 R2375 R2376	1-216-113-00 1-216-097-00 1-216-089-91 1-216-089-91	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470K 100K 47K 47K	5% 5%	1/10W 1/10W 1/10W 1/10W	
R2312 1-216-053-00 R2313 1-216-049-00 R2314 1-216-645-11 R2315 1-216-679-11 R2316 1-216-081-00	METAL GLAZE METAL CHIP METAL CHIP METAL GLAZE	1.5K 1K 560 15K 22K	5% 5% 0.50% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R2378 R2379 R2380 R2381	1-216-033-00 1-216-089-91 1-216-089-91 1-216-089-91 1-216-089-91	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 47K 220 47K 47K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R2317 1-216-049-00 R2318 1-216-069-00 R2319 1-216-093-00 R2320 1-216-677-11 R2321 1-216-057-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	1K 6.8K 68K 12K 2.2K	5% 5% 5% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R2383 R2384 R2385 R2386	1-216-033-00 1-216-689-11 1-216-073-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47K 220 39K 10K 10K 10K	5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R2325 1-216-063-00 R2326 1-216-041-00	METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 22K 10K 3.9K 470	5% 0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R2388 R2389 R2390 R2391 R2392	1-216-073-00 1-216-073-00 1-216-647-11 1-216-647-11 1-216-073-00	METAL CHIP METAL CHIP	10K 220 680 680 10K	5% 0.50% 0.50%	1/10W 1/10W	
R2327 1-216-059-00 R2328 1-216-049-00 R2329 1-216-059-00 R2330 1-216-049-00 R2331 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.7K 1K 2.7K 1K 2.7K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R2393 R2394 R2396 R2397 R2398	1-216-073-00 1-216-081-00 1-216-041-00 1-216-113-00 1-216-109-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 22K 470 470K 330K 10K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 47K 470 3.3K 4.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R2399 R2501 R2502 R2551 R2552	1-216-073-00 1-216-083-00 1-216-077-00 1-216-091-00 1-216-085-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 27K 15K 56K 33K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R2337 1-216-037-00 R2338 1-216-073-00 R2339 1-216-037-00 R2340 1-216-037-00 R2341 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 330 10K 330	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R2553 R2555 R2556 R2557 R2558	1-216-083-00 1-216-055-00 1-216-051-00 1-216-067-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	33K 27K 1.8K 1.2K 5.6K 2.2K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R2342 1-216-071-00 R2343 1-216-081-00 R2344 1-216-121-00 R2345 1-216-061-01 R2346 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	8.2K 22K 1M 18K 3.3K	5% 5% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R2559 R2560 R2561 R2562 R2563	1-216-039-00 1-216-069-00 1-216-001-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	390 6.8K 10 10 2.2K 10K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R2347 1-216-061-00 R2348 1-216-061-00 R2349 1-216-679-11 R2350 1-216-061-00 R2351 1-216-061-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE	3.3K 3.3K 15K 3.3K 3.3K	5% 5% 0.50% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R3301 R3302 R3303 R3304 R3305	1-216-065-00 1-216-065-00 1-216-065-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 4.7K 4.7K 4.7K 3.3K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R2353 1-216-041-00 R2354 1-216-025-00 R2356 1-216-089-91 R2357 1-216-095-00 R2358 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47K 82K	5% 5%	1/10W 1/10W 1/10W		R3309 R3310 R3311	1-216-097-00 1-216-073-00 1-216-049-00 1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 10K 1K 56K	5 555555	1/10W 1/10W 1/10W 1/10W 1/10W	
R2359 1-216-097-00 R2360 1-216-689-11 R2361 1-216-099-00 R2362 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 100K 39K 120K 22K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R3312 R3317 R3320 R3333 R3334	1-216-105-00 1-216-103-91 1-216-085-00 1-216-113-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	180K 33K 470K 10K	5% 5%% 5%% 5%% 5%% 5%% 5%% 5%% 5%% 5%%	1/10W 1/10W 1/10W 1/10W 1/10W	
R2363 1-216-065-00 R2364 1-216-025-00 R2365 1-216-687-11 R2366 1-216-067-00 R2367 1-216-093-00 R2368 1-216-065-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE	4.7K 100 33K 5.6K 68K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R3335 R3337 R3338 R3339 R3340	1-216-113-00 1-216-099-00 1-218-759-11 1-216-093-00 1-216-099-00	METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	120K 200K 68K 120K	5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R2368 1-216-065-00 R2369 1-216-083-00 R2370 1-216-081-00 R2371 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 27K 22K 1K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R3341 R3344 R3345	1-216-083-00 1-216-081-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	27K 22K 220	5% 5% 5%	1/10W 1/10W 1/10W	

A (PVM-1350)

REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.		DESCRIPTION			REMARK
R3347 R3348 R3349	1-216-025-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 100 100		1/10W 1/10W 1/10W 1/10W 1/10W		X101 X300 X301	1-579-175- 1-577-259- 1-527-722-	11 V 00 0		RAMIC RYSTAL CRYSTAL	******	******
R3351 R3355 R3356 R3357 R3358	1-216-119-00 1-216-089-91 1-216-051-00 1-216-051-00 1-216-051-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	820K 47K 1.2K 1.2K 1.2K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-540-044- *4-030-359-	11 S 01 H	OCKET, IC EAT SINK, I		350)	
R3359 R3360 R3361 R3362 R3363	1-216-081-00 1-216-073-00 1-216-089-91 1-216-049-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 10K 47K 1K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W			•	01 F	PLATE (CF), SPACER, MIC	SHIELD A n), P, SW (+)		
R3364 R3365	1-216-073-00 1-216-081-00	METAL GLAZE METAL GLAZE	10K 22K	5% 5%	1/10W 1/10W		B B B	<	BAND	PASS FILTE	R>		
R3376 R3377 R3378	1-216-081-00 1-216-107-00 1-216-115-00	METAL GLAZE METAL GLAZE METAL GLAZE	22K 270K 560K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W		BPF400	1-236-363-			D PASS		
R3381	1-216-041-00	METAL GLAZE	470	5%	1/10W		1			CITOR"			
R3382 R3383 R3384 R3385	1-216-647-11 1-216-069-00 1-216-063-00 1-216-057-00	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	680 6.8K 3.9K 2.2K	0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		C105 C106 C114 C115 C116		-11 -11 -11	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 100PF P 0.01MF P 0.01MF	5% 5%	50 V 50 V 50 V 50 V 50 V
R3386 R3390 R3394 R3395 R3396		METAL GLAZE METAL GLAZE METAL GLAZE CARBON METAL GLAZE	2.2K 2.2K 47K 1K 470	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/4W 1/10W		C117 C118 C119 C121 C123	1-163-031 1-163-125 1-165-319 1-163-237 1-165-319	-00 -11 -11	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 220PF P 0.1MF P 27PF	5% 5%	50 V 50 V 50 V 50 V 50 V
R3397 R3398 R4401 R4402 R4404	1-216-101-00 1-216-085-00 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 150K 33K 470K 10K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C124 C132 C133 C134 C135	1-163-251 1-163-141 1-163-251 1-163-251 1-163-251	-00 -11 -11	CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI CERAMIC CHI	P 0.001MF IP 100PF IP 100PF	5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	50 V 50 V 50 V 50 V 50 V
R4405 R4407 R4408 R4409 R4410	1-216-061-00 1-216-059-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 3.3K 2.7K 2.7K 2.7K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	 	C136 C141 C142 C143 C144	1-163-251 1-164-161 1-163-125 1-165-319 1-165-319	-11 -11 -00 -11	CERAMIC CH CERAMIC CH CERAMIC CH CERAMIC CH CERAMIC CH	IP 0.0022MF IP 220PF IP 0.1MF	5% 10% 5%	50V 50V 50V 50V 50V
R4411 R4412 R4413 R4414 R4415	2 1-216-113-00 3 1-216-295-00 4 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	470K 470K 0 0 0	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	9 1 9	C145 C154 C155 C156 C157	1-163-019	7-11 3-00 3-00		IP 0.022MF	10% 10% 10% 10%	50V 25V 50V 50V 50V
R4416	5 1-216-295-00	METAL GLAZE	0	5%	1/10	d	C158	1-163-809	9-11	CERAMIC CI	IP 0.047MF	10%	25V
RV50	<va 1 1-223-102-00</va 	RIABLE RESISTO		ID 120			C159 C161 C162 C164	1-163-037 1-124-477 1-163-141 1-165-319	7-11 1-00	CERAMIC CH CERAMIC CH CERAMIC CH	47MF IP 0.001MF	10% 20% 5%	25V 16V 50V 50V
,50							C165	1-165-319	9-11	CERAMIC CH			5 0 V
T300 T500	1-406-781-11 1-426-668-11	TRANSFORMER	, FERRI	TE (HC	T)		C166 C167 C168 C169	1-164-004 1-124-473 1-124-473 1-164-233	2-11 2-11	CERAMIC CH ELECT CERAMIC CH	470MF 470MF	10% 20% 20% 10%	25V 10V 10V 50V
	▲ 1-453-163-11	TRANSFORMER	ASSY,	FLYBAC	.K		C171	1-163-25		CERAMIC CI		5% 5%	500
TUEN	<ti 0 1-807-970-1</ti 	HERMISTOR>					C172 C173 C200 C201	1-124-92	3-11 7-11	CERAMIC CI CERAMIC CI ELECT MYLAR		5% 5% 20% 10%	50V 50V 50V 100V
ınou	U 1-00/-9/U-1.	ADICIMABAL I					C202	1-163-01			HP 0.0047MF	10%	500
	<ci< td=""><td>RYSTAL></td><td></td><td></td><td></td><td></td><td>C203 C204</td><td>1-124-92</td><td>7-11</td><td>ELECT ELECT</td><td>4.7MF 10MF</td><td>20% 20%</td><td>50V 50V</td></ci<>	RYSTAL>					C203 C204	1-124-92	7-11	ELECT ELECT	4.7MF 10MF	20% 20%	50V 50V

The components identified by shading and mark A are critical for safety. Replace only with part number

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
C206 C207 C208	1-124-360-00 1-126-375-11 1-124-478-11 1-124-907-11 1-124-927-11	ELECT ELECT ELECT ELECT ELECT	1000MF 100MF 100MF 10MF 4.7MF	20% 20% 20% 20% 20%		C399 C400 C401 C402		CERAMIC CHIP 0.01MF CERAMIC CHIP 1MF CERAMIC CHIP 1MF ELECT 47MF CERAMIC CHIP 0.01MF		25V 50V 16V 50V
C304 C305 C306 C311 C312	1-164-004-11 1-163-125-00 1-163-031-11 1-163-809-11 1-124-925-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 220PF 0.01MF 0.047MF	10% 5% 10%	25V 50V 50V 25V 50V	1406	1-124-916-11	ELECT 22MF ELECT 47MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 22MF CERAMIC CHIP 0.1MF	20%	50V 50V 25V 50V 50V
C313 C314	1-163-145-00 1-163-249-11 1-124-907-11 1-124-477-11	CERAMIC CHIP	0.0015MF	52	50V	i		CERAMIC CHIP O.01MF CERAMIC CHIP O.01MF CERAMIC CHIP O.01MF CERAMIC CHIP O.01MF		50V 50V 25V 50V 50V
C318	1-124-907-11	ELECT CERAMIC CHIP	10MF 0.1MF	20%	201		1-164-232-11 1-164-232-11 1-164-182-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.0033MF	20% 10% 10% 10%	50V 50V 50V
C343 C349 C350 C352	1-164-004-11 1-163-031-11 1-163-141-00 1-163-141-00 1-163-031-11 1-165-319-11 1-163-121-00 1-124-903-11 1-124-927-11 1-163-031-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 0.001MF 0.001MF 0.01MF	5% 5%	50V 50V 50V 50V	C419 C420 C421 C422	1-124-472-11 1-163-809-11 1-164-222-11	ELECT 470MF CERAMIC CHIP 0.047MF CERAMIC CHIP 0.22MF ELECT 1MF		10V 25V 25V 50V
C353 C354 C355 C356 C358	1-165-319-11 1-163-121-00 1-124-903-11 1-124-927-11	CERAMIC CHIP CERAMIC CHIP ELECT ELECT CERAMIC CHIP	0.1MF 150PF 1MF 4.7MF	5% 20% 20%	50V 50V 50V 50V 50V	C423 C424 C425	1-163-809-11 1-163-809-11 1-163-031-11	CERAMIC CHIP 0.047MF CERAMIC CHIP 0.047MF CERAMIC CHIP 0.01MF CERAMIC CHIP 47PF	10% 10% 5%	25V 25V 50V 50V
C359 C360 C361 C362	1-163-031-11 1-124-477-11 1-164-232-11 1-163-031-11 1-163-039-00	ELECT CERAMIC CHIP CERAMIC CHIP	47MF 0.01MF 0.01MF	20% 10%	25V 50V 50V	C427 C428	1-163-031-11	CERAMIC CHIP 0.01MF	20%	50V 16V 50V
C363 C364	1-163-099-00	CERAMIC CHIP	18PF 0.01MF	5%	50V 50V	C431 C432 C433	1-165-319-11 1-164-004-11	CERAMIC CHIP O IMP	10% 5%	16V 50V 25V 50V
C365 C366 C367 C368	1-163-031-11 1-106-343-00 1-163-031-11 1-163-031-11 1-124-907-11					1		CERAMIC CHIP 0.01MF CERAMIC CHIP 6PF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF		50V 50V 25V
C369 C370 C371 C372 C373	1-164-298-11 1-124-477-11 1-124-477-11 1-163-031-11 1-163-141-00	CERAMIC CHIP ELECT ELECT CERAMIC CHIP CERAMIC CHIP	0.15MF 47MF 47MF 0.01MF	10% 20% 20%	25V 25V 25V 50V 50V	C438 C439 C440 C441	1-163-809-11	CERAMIC CHIP 0.047MF CERAMIC CHIP 0.01MF	10%	25V 25V 50V 50V
C374 C375 C376	1-124-903-11 1-163-125-00 1-124-902-00 1-163-809-11 1-163-809-11	ELECT CERAMIC CHIP	1MF 220PF 0 47MF	20% 5% 20%	50V 50V 50V	C442 C443	1-163-809-11 1-163-243-11	CERAMIC CHIP 0.047MF CERAMIC CHIP 47PF	1 0% 5%	25V 50V
C377 C378	1-163-809-11 1-163-809-11 1-163-031-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP		10%	25V 25V 50V	C444 C445 C446 C447 C448	1-105-205-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.047MF CERAMIC CHIP 6PF CERAMIC CHIP 330PF CERAMIC CHIP 47PF	10% 0.25P 5% 5%	אטכ ז
C380 C381 C382 C383	1-124-472-11 1-163-031-11 1-163-243-11 1-124-477-11	ELECT CERAMIC CHIF CERAMIC CHIF ELECT	470MF 0.01MF 47PF 47MF	20% 5% 20%	10V 50V 50V 25V	C449 C450 C451 C452	1-163-227-11 1-163-809-11 1-164-004-11 1-163-263-11		0.5PF 10% 10% 5%	50V 25V 25V 50V
C384 C385 C386 C387 C388	1-163-249-11 1-124-477-11 1-124-907-11 1-163-141-00 1-124-907-11	CERAMIC CHIF ELECT ELECT CERAMIC CHIF ELECT	47MF 10MF	5% 20% 20% 5% 20%	50V 25V 50V 50V 50V	C453 C454 C455 C456	1-163-031-11 1-163-243-11 1-163-263-11 1-163-089-00	CERAMIC CHIP 0.01MF CERAMIC CHIP 47PF CERAMIC CHIP 330PF CERAMIC CHIP 6PF	5% 5% 0.25P	50V 50V 50V F 50V
C390 C391 C392	1-163-243-11 1-124-477-11 1-164-298-11	CERAMIC CHIE ELECT CERAMIC CHIE	47MF	5% 20% 10%	50V 25V 25V	C457 C458 C459	1-163-031-11 1-163-249-11 1-165-319-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 82PF	5%	50V 50V 50V
C393 C394 C395	1-164-298-11 1-124-477-11 1-163-235-11	CERAMIC CHII ELECT CERAMIC CHII	9 0.15MF 47MF	10% 20% 5%	25V 25V 50V	C460 C461 C462 C463	1-164-004-11 1-163-119-00 1-163-031-11 1-163-031-11	CERAMIC CHIP 0.1MF	10% 5%	25V 50V 50V 50V
C396 C397 C398	1-164-299-11 1-124-477-11 1-124-477-11	CERAMIC CHII		10% 20% 20%	25V 25V 25V	C464 C465	1-164-299-11	CERAMIC CHIP 0.22MF CERAMIC CHIP 15PF	10% 5%	25V 50V

The components identified by shading and mark \(\hat{\Delta}\) are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque & sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
C466 1-163-119-00 C467 1-163-119-00	CERAMIC CHIP 120PF	5% 5%	50V 50V	C541	1-124-927-11		4.7MF		50V
	CERAMIC CHIP 120PF CERAMIC CHIP 120PF CERAMIC CHIP 0.022MF CERAMIC CHIP 47PF CERAMIC CHIP 33PF		25V 50V 50V	C542 C543 C544 C545 C547	1-106-351-00 1-106-351-00 1-106-367-00 1-102-212-00 1-163-251-11	MYLAR MYLAR MYLAR CERAMIC	0.0022MF 0.0022MF 0.01MF 820PF	10% 10% 10% 10%	100V 100V 100V 500V
C472 1-163-031-11 C473 1-163-031-11	CERAMIC CHIP O.01MF		50V 50V 50V						50V 500V
C476 1-163-031-11 C477 1-164-299-11	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.22MF	10%		C548 C549 C550 C551	1-102-212-00 1-124-667-11 1-126-163-11 1-106-375-12 1-126-336-11	ELECT ELECT MYLAR	820PF 10MF 4.7MF 0.022MF		50V 50V 100V
C478 1-124-907-11 C479 1-163-121-00 C482 1-124-472-11	CERAMIC CHIP 150PF	20% 5% 20%	50V 50V 10V	i				20% 20%	25V 50V
C483 1-163-249-11 C484 1-163-113-00	ELECT 10MF CERAMIC CHIP 150PF ELECT 470MF CERAMIC CHIP 82PF CERAMIC CHIP 68PF	5% 5%	50V 50V	C556 C557 C558 C559	1-124-907-11 1-106-381-12 1-124-903-11 1-136-173-00 1-136-159-00	MYLAR ELECT	0.039MF 1MF	10% 20%	100V 50V
C485 1-163-113-00 C486 1-163-249-11	CERAMIC CHIP 68PF CERAMIC CHIP 82PF	5% 5%	50V 50V	C561					50V 50V
C487 1-163-235-11 C488 1-163-097-00 C490 1-164-336-11	CERAMIC CHIP 68PF CERAMIC CHIP 82PF CERAMIC CHIP 22PF CERAMIC CHIP 15PF CERAMIC CHIP 0.33MF	5% 5%	50V 50V 25V	C562 C564 C565	1-163-249-11 1-124-907-11 1-124-903-11 1-106-367-00 1-124-903-11	CERAMIC CHIP ELECT ELECT	82PF 10MF 1MF	5% 20% 20%	50V 50V 50V
C491 1-164-336-11	CERAMIC CHIP 0.33MF CERAMIC CHIP 0.33MF		25V 25V	C566 C568	1-106-367-00 1-124-903-11	MYLAR ELECT	0.01MF 1MF	10% 20%	100 V 50V
C492 1-164-336-11 C493 1-104-760-11 C494 1-104-760-11 C495 1-124-907-11	CERAMIC CHIP 0.047MF CERAMIC CHIP 0.047MF ELECT 10MF	10% 10% 20%	50V 50V 50V	C569 C570 C571 C572	1-131-351-00 1-124-360-00 1-164-232-11	TANTALUM ELECT CERAMIC CHIP ELECT	4.7MF 1000MF 0.01MF	10% 20% 10% 0	25V 16V 50V 160V
C497 1-163-011-11 C498 1-124-925-11	CERAMIC CHIP 0.0015MF ELECT 2.2MF	10% 20%	50V 50V	C573	1-136-173-00	FILM	U.47MF	5%	50V
C499 1-163-031-11	CERAMIC CHIP O.DIMF CERAMIC CHIP O.1MF CERAMIC CHIP O.0033MF	10% 10%	50V 25V 50V	C574 C575 C576 C577	1-249-383-11 1-163-031-11 1-102-244-00 1-124-907-11	CARBON CERAMIC CHIP CERAMIC ELECT FILM	0.01MF	1/4W 10% 20%	F 50V 500V 50V
C503 1-163-251-11	CERAMIC CHIP 0.001MF CERAMIC CHIP 100PF	5% 5%	50V 50V	1578					200V
C504 1-136-175-00 C505 1-163-135-00 C506 1-124-902-00	CERAMIC CHIP 0.001MF CERAMIC CHIP 100PF FILM 0.068MF CERAMIC CHIP 560PF ELECT 0.47MF	5% 5% 20%	50V 50V 50V	C579 C580 C581	1-126-804-11 1-136-756-11 1-124-927-11	ELECT FILM ELECT CERAMIC FILM	0.24MF 4.7MF	20% 5% 20%	50V 200V 50V
C507 1-126-375-11 C508 1-130-495-00	ELECT 100MF	20% 5%	25V 50V	C582 C583				10% 5%	500V 200V
C509 1-124-935-11 C511 1-108-700-11 C512 1-124-902-00	ELECT 100MF MYLAR 0.1MF ELECT 470MF MYLAR 0.047MF ELECT 0.47MF	20% 10% 20%	100V 200V 50V	C584 C585 C586 C587	1-123-267-00 1-124-666-11 1-124-557-11	ELECT ELECT ELECT CERAMIC ELECT	2.2MF 4.7MF 1000MF	20% 20% 20% 10%	160V 250V 25V 500V
C513 1-126-096-11 C514 1-129-718-00	ELECT 10MF FILM 0.022MF	20% 10%	25V 630V	C588				20%	50V
C515 1-163-809-11 C516 1-102-030-00 C517 1-163-024-00	ELECT 10MF FILM 0.022MF CERAMIC CHIP 0.047MF CERAMIC 330PF CERAMIC CHIP 0.018MF	10% 10% 10%	25V 500V 50V	C589 C590 C591	1-102-030-00 1-126-387-11 1-106-371-00 1-123-932-00	CERAMIC ELECT MYLAR	330PF 2.2MF 0.015MF	10% 20% 10%	500V 50V 200V
C518 1-107-995-51	ELECT 100MF	0 10%	160V 50V	C592 C593	1-123-932-00	CERAMIC CHI	4.7MF	20%	160V 50V
C519 1-163-017-00 C520 1-163-257-11 C521 1-162-114-00 C522 1-126-375-11	CERAMIC 0.0047MF	5% 20%	50V 2KV 25V	C594 C595 C596	1-163-229-11 1-126-336-11 1-124-478-11		P 12PF 220MF 100MF	5% 20% 20%	50V 25V 25V
C523 1-126-801-11	ELECT 1MF	20%	50V	C597 C598	1-164-346-11 1-164-346-11	CERAMIC CHI	P 1MF	2076	16V 16V
C525 ★ 1-136-545-11 C526 ★ 1-162-116-91 C529 1-104-789-51	CERAMIC 680PF ELECT 0.47MF	3% 10% 20%	2KV 2KV 50V	C599 C1300		ELECT	10MF 47MF	20% 20%	16V 25V
C530 1-124-120-11 C531 1-124-477-11		20%	25V 25V	C1302 C1303 C1305	1-164-004-11	CERAMIC CHI	P 470PF P 0.1MF 47MF	5% 10% 20%	50V 25V 25V
C532 1-163-031-11 C533 1-102-212-00	CERAMIC CHIP 0.01MF	10%	50V 500V	C1307	1-163-031-11	CERAMIC CHI	P 0.01MF		50V
C535 1-163-125-00	CERAMIC CHIP 220PF	20% 5%	250V 50V	C1308 C1311 C1313	1-124-477-11	ELECT CERAMIC CHI	10MF 47MF P 0.01MF	20% 20%	50V 25V 50V
C537 1-124-913-1 C538 1-106-367-00 C539 1-130-480-00	O MYLAR O.OIMF	20% 10% 5%	50V 100V 50V	C1314	1-124-477-1	ELECT CERAMIC CHI	47MF	20%	25V 50V
C540 1-163-133-0	O CERAMIC CHIP 470PF	5% 5%	507		1-124-477-1		47MF	20%	25V

REF.NO. PART NO. DESCRIPTION REMARK REF.NO. PART NO. DESCRIPTION DESCR										
C1320 1-124-477-11 ELECT 47MF 201 25V C1519 1-124-177-11 ELECT 47MF 202						REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C1320 1-124-477-11 ELECT 47MF 201 25V C1519 1-124-177-11 ELECT 47MF 202	C1318	1-124-477-11	ELECT	47MF	20%	25V	C1517	1-126-101-11	ELECT 100MF 20%	10V
Clay -163-031-11 CERAMIC CHIP 0.01MF 50V CRAIN CRAIN CRIP 0.01MF 50V CRAIN CRIP 0.01MF 50V CRAIN CRIP 0.01MF 50V CRAIN CRIP 0.01MF 50V CRAIN CRIP 0.01MF 600 CRAIN	C1320 C1321	1-124-477-11 1-124-477-11	ELECT ELECT	47MF 47MF	20% 20%	25V 25V	C1518 C1519	1-124-477-11 1-163-037-11	ELECT 47MF 20% CERAMIC CHIP 0.022MF 10%	
C1329 -124-477-11 ELECT 10MF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. BOARD TI BOARD 11P C1329 -124-477-11 ELECT 10MF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. BOARD TI BOARD 11P C1330 -1-56-331-11 CRAMIC CHIP D.O.IMF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. PIP C1330 -1-56-301-11 CRAMIC CHIP D.O.IMF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. PIP C1330 -1-56-301-11 ELECT 47MF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. PIP C1330 -1-56-301-11 ELECT 47MF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. PIP C1330 -1-56-301-11 ELECT 47MF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. PIP C1330 -1-56-301-11 ELECT 47MF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. PIP C1330 -1-56-301-11 ELECT 47MF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. PIP C1330 -1-56-301-11 ELECT 47MF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. PIP C1330 -1-56-301-11 ELECT 47MF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. PIP C1330 -1-56-301-11 ELECT 47MF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. PIP C1330 -1-56-301-11 ELECT 47MF 20X 50V CHIQL -156-431-11 PLIC. CONNECTOR. PIP C1330 -1-56-430-11 PLIC. CONNECTOR. PIP	C1323	1-163-031-11	CERAMIC CHIP	0.01MF		50V		< CON	NECTOR>	
C139 -124-907-11 ELECT	C1326 C1327	1-124-477-11 1-163-031-11	ELECT CERAMIC CHIP CERAMIC CHIP	47MF 0.01MF 0.01MF		25V 50V	CN201	*1-564-506-11	PLUG, CONNECTOR 3P	
Class 1-163-227-11 CERAMIC CHIP 10PF 20X 25V CNS02 * 1-573-964-11 PIN. CONNECTOR (PC BOARD) 6P Class 1-163-031-11 CERAMIC CHIP 0.01MF 50V CNS03 * 1-573-964-11 PIN. CONNECTOR (PC BOARD) 6P CNS05 * 1-564-506-11 CNS05 * 1-564-506-11 CNS05 * 1-564-506-11 CNS05 * 1-563-031-11 CRAMIC CHIP 0.01MF 50V CNS05 * 1-564-506-11 CNS05 * 1-564-506-11 CNS05 * 1-563-031-11 CRAMIC CHIP 0.01MF 50V CNS05 * 1-564-506-11 CNS05 * 1-563-031-11 CRAMIC CHIP 10PF 0.25PF 50V CNS05 * 1-563-039-10 CRAMIC CHIP 10PF 0.25PF 50V CNS05 * 1-63-125-00 CRAMIC CHIP 10PF 0.25PF 50V CNS05 * 1-63-125-10 CRAMIC CHIP 20PF 50 CNS05 * 1-63-25-11 CRAMIC CHIP 20PF	C1329 C1330	1-124-907-11	ELECT CERAMIC CHIP	10MF	20%		CN302	*1-564-510-11	PLUG, CONNECTOR 7P	
C1336 1-124-477-11 ELECT 47WF 20% 25V C1536 1-163-031-11 CERAMIC CRIP DO JUNE 50V C1536 1-163-038-00 CERAMIC CRIP DO JUNE 50V C1536 1-163-038-00 CERAMIC CRIP DO JUNE 50V C1536 1-163-038-00 CERAMIC CRIP DO JUNE 50V C1536 1-163-031-11 CERAMIC CRIP SO JUNE 50V C1536 1-163-125-00 CERAMIC CRIP SO JUNE 50V C1536 1-163-125-10 CERAMIC C	C1331 C1332	1-124-477-11 1-124-477-11	ELECT ELECT ELECT			25V 25V	CN402	*1-564~515-11	PLUG. CONNECTOR 12P	
C1359	C1334 C1335	1-163-227-11	CERAMIC CHIP	10PF 47MF	0.5PF	50V 25V	CN502	*1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P	
C1342 1-162-93-00 CERANIC CHIP 1FPF 0.25PF 50V C1356 1-163-033-10 CERANIC CHIP 150PF 5TV 50V C1356 1-163-125-10 CERANIC CHIP 150PF 5TV 5TV C1356 1-163-125-10 CERANIC CHIP 150PF 5TV 5TV C1356 1-163-125-10 CERANIC CHIP 20PF 5TV 5TV C1356 1-163-125-10 CERANIC CHIP 22PF 5TV 5TV C1356 1-163-125-11 CERANIC CHIP 20PF 5TV 5TV C1356 1-163-125-11 CERANIC CHIP 10.0022MF 10X 50V 5TV 5TV 5TV 5TV 5TV 5TV 5TV 5TV 5TV 5T	C1336 C1338	1-124-477-11 1-163-031-11	ELECT CERAMIC CHIP	0.01MF		25V 50V 50V	CN504	*1-564-508-11 *1-564-506-11	PLUG, CONNECTOR 5P PLUG. CONNECTOR 3P	
C1355 1-163-123-00 CERANIC CHIP J5DPF 5% 50V C1357 1-124-119-00 ELECT 47MF 20% 25V D1008 8-719-800-76 D10DE ISS226 D103 8-719-900-76 D10DE ISS226 D103 8-71	C1340 C1342	1-163-031-11	CERAMIC CHIP	0.01MF 33PF	5%	50V 50V	CN507	*1-535-419-00	TAB, FASTEN (PCB)	
C1355 1-163-125-00 CERANIC CHIP 150PF 5% 50V C1356 1-163-225-11 CERANIC CHIP 22PP 5% 50V C1356 1-163-225-11 CERANIC CHIP 22PP 5% 50V C1358 1-124-477-11 ELECT 47MF 20% 25V D102 8-719-800-76 D100E ISS226 D102 8-719-800-76 D100E ISS226 D102 8-719-800-76 D100E ISS226 D102 8-719-800-76 D100E ISS226 D102 8-719-800-76 D100E ISS236 D102 8-719-800-76 D100E ISS226 D103 1-163-235-11 CERANIC CHIP 22PP 5% 50V D104 8-719-800-76 D100E ISS226 D105 8-719-800-78 D100E ISS226 D10	C1344 C1345	1-163-083-00 1-124-907-11	CERAMIC CHIP ELECT	U.UIMP		50V 50V 50V	CD3U3			
C1359 1-163-263-11 CERAMIC CHIP 0.002MF 10% 50V 10104 8-719-800-76 1010E 1SV230TPH3 C1360 1-164-161-11 CERAMIC CHIP 10PF 0.5PF 50V 10105 8-719-800-76 1010E 1SV2366 C1361 1-163-235-11 CERAMIC CHIP 10PF 0.5PF 50V 107 8-719-800-76 1010E 1SV2366 C1362 1-163-237-11 ELECT 47MF 20% 25V 10109 8-719-801-78 100E 1SS226 C1363 1-124-477-11 ELECT 47MF 20% 25V 10109 8-719-801-78 100E 1SS226 C1373 1-124-477-11 ELECT 47MF 20% 25V 1012 8-719-404-46 1010E MAI10 100E 13SV230TPH3 C1373 1-124-477-11 ELECT 47MF 20% 25V 1012 8-719-404-46 1010E MAI10 100E MAI10 100E 13SV230TPH3 C1373 1-124-477-11 ELECT 47MF 20% 25V 1012 8-719-404-46 1010E MAI10 100E MAI10 100E 13SV230TPH3 C1373 1-124-477-11 ELECT 47MF 20% 25V 1012 8-719-404-46 1010E MAI10 100E MAI10 1	C 1354	1-163-121-00	CERAMIC CHIP	150PF	5% 5%	50V	(170)	1-400-102-01	FILIER BLUCK, COM (CFD=4)	
C1359 1-163-263-11 CERAMIC CHIP 0.002MF 10% 50V 10104 8-719-800-76 1010E 1SV230TPH3 C1360 1-164-161-11 CERAMIC CHIP 10PF 0.5PF 50V 10105 8-719-800-76 1010E 1SV2366 C1361 1-163-235-11 CERAMIC CHIP 10PF 0.5PF 50V 107 8-719-800-76 1010E 1SV2366 C1362 1-163-237-11 ELECT 47MF 20% 25V 10109 8-719-801-78 100E 1SS226 C1363 1-124-477-11 ELECT 47MF 20% 25V 10109 8-719-801-78 100E 1SS226 C1373 1-124-477-11 ELECT 47MF 20% 25V 1012 8-719-404-46 1010E MAI10 100E 13SV230TPH3 C1373 1-124-477-11 ELECT 47MF 20% 25V 1012 8-719-404-46 1010E MAI10 100E MAI10 100E 13SV230TPH3 C1373 1-124-477-11 ELECT 47MF 20% 25V 1012 8-719-404-46 1010E MAI10 100E MAI10 100E 13SV230TPH3 C1373 1-124-477-11 ELECT 47MF 20% 25V 1012 8-719-404-46 1010E MAI10 100E MAI10 1	C 1356 C 1357	1-163-235-11	CERAMIC CHIP	22PF 330MF	5% 20%	50V		<010	DE>	
C1367 1-124-477-11 ELECT 47MF 20% 25V 0110 8-719-404-46 D10DE MA110 C1373 1-124-477-11 ELECT 47MF 20% 25V 0113 8-719-158-07 D10DE RD4.7SB C1374 1-124-477-11 ELECT 47MF 20% 25V 0113 8-719-158-07 D10DE RD4.7SB C1375 1-124-277-11 ELECT 47MF 20% 25V 0113 8-719-158-07 D10DE RD4.7SB C1376 1-124-277-11 ELECT 47MF 20% 25V 0113 8-719-158-07 D10DE RD4.7SB C1400 1-163-031-11 CERAMIC CHIP 0.01MF 50V 0300 8-719-025-07 D10DE SV232-TPH3 C1401 1-136-173-00 FILM 0.47MF 5% 50V 0300 8-719-404-46 D10DE MA110 C1402 1-163-031-11 CERAMIC CHIP 0.01MF 50V 0305 8-719-800-76 D10DE ISS226 C1403 1-136-173-00 FILM 0.47MF 5% 50V 0305 8-719-404-46 D10DE MA110 C1404 1-164-299-11 CERAMIC CHIP 0.22MF 10% 25V 0311 8-719-404-46 D10DE MA110 C1405 1-163-099-00 CERAMIC CHIP PF 0.25PF 50V 0311 8-719-404-46 D10DE MA110 C1407 1-163-085-00 CERAMIC CHIP PF 0.25PF 50V 0311 8-719-404-46 D10DE MA110 C1408 1-163-130-00 CERAMIC CHIP PPF 0.25PF 50V 0311 8-719-404-46 D10DE MA110 C1501 1-124-472-11 ELECT 100MF 20% 10V 0320 8-719-404-46 D10DE MA110 C1501 1-124-472-11 ELECT 470MF 20% 10V 0320 8-719-404-46 D10DE MA110 C1503 1-164-004-11 CERAMIC CHIP 0.01MF 20% 10V 0320 8-719-404-46 D10DE MA110 C1504 1-124-19-00 ELECT 10MF 20% 50V 0320 8-719-404-46 D10DE MA110 C1505 1-124-472-11 ELECT 330MF 20% 10V 0320 8-719-404-46 D10DE MA110 C1506 1-124-19-00 ELECT 10MF 20% 50V 0330 8-719-404-46 D10DE MA110 C1507 1-163-114-00 CERAMIC CHIP 0.01MF 5% 50V 0330 8-719-404-46 D10DE MA110 C1508 1-124-907-11 ELECT 4.7MF 20% 50V 0345 8-719-104-34 D10DE IS2836 C1510 1-124-927-11 ELECT 4.7MF 20% 50V 0345 8-719-104-34 D10DE IS2836 C1511 1-164-182-11 CERAMIC CHIP 0.003MF 5% 50V 0346 8-719-104-34 D10DE IS2836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V 0346 8-719-104-34 D10DE IS2836 C1514 1-130-477-00 MVLAR 0.0033MF 5% 50V 0346 8-719-104-34 D10DE IS2836 C1514 1-130-477-00 MVLAR 0.0033MF 5% 50V 0346 8-719-104-34 D10DE IS2836 C1514 1-130-477-00 MVLAR 0.0033MF 5% 50V 0346 8-719-104-34 D10DE I	C 1358	1-124-477-11	ELECT	47MF	20%	25V				
C1367 1-124-477-11 ELECT 47MF 20% 25V 0110 8-719-404-46 D10DE MA110 C1373 1-124-477-11 ELECT 47MF 20% 25V 0113 8-719-158-07 D10DE RD4.7SB C1374 1-124-477-11 ELECT 47MF 20% 25V 0113 8-719-158-07 D10DE RD4.7SB C1375 1-124-277-11 ELECT 47MF 20% 25V 0113 8-719-158-07 D10DE RD4.7SB C1376 1-124-277-11 ELECT 47MF 20% 25V 0113 8-719-158-07 D10DE RD4.7SB C1400 1-163-031-11 CERAMIC CHIP 0.01MF 50V 0300 8-719-025-07 D10DE SV232-TPH3 C1401 1-136-173-00 FILM 0.47MF 5% 50V 0300 8-719-404-46 D10DE MA110 C1402 1-163-031-11 CERAMIC CHIP 0.01MF 50V 0305 8-719-800-76 D10DE ISS226 C1403 1-136-173-00 FILM 0.47MF 5% 50V 0305 8-719-404-46 D10DE MA110 C1404 1-164-299-11 CERAMIC CHIP 0.22MF 10% 25V 0311 8-719-404-46 D10DE MA110 C1405 1-163-099-00 CERAMIC CHIP PF 0.25PF 50V 0311 8-719-404-46 D10DE MA110 C1407 1-163-085-00 CERAMIC CHIP PF 0.25PF 50V 0311 8-719-404-46 D10DE MA110 C1408 1-163-130-00 CERAMIC CHIP PPF 0.25PF 50V 0311 8-719-404-46 D10DE MA110 C1501 1-124-472-11 ELECT 100MF 20% 10V 0320 8-719-404-46 D10DE MA110 C1501 1-124-472-11 ELECT 470MF 20% 10V 0320 8-719-404-46 D10DE MA110 C1503 1-164-004-11 CERAMIC CHIP 0.01MF 20% 10V 0320 8-719-404-46 D10DE MA110 C1504 1-124-19-00 ELECT 10MF 20% 50V 0320 8-719-404-46 D10DE MA110 C1505 1-124-472-11 ELECT 330MF 20% 10V 0320 8-719-404-46 D10DE MA110 C1506 1-124-19-00 ELECT 10MF 20% 50V 0330 8-719-404-46 D10DE MA110 C1507 1-163-114-00 CERAMIC CHIP 0.01MF 5% 50V 0330 8-719-404-46 D10DE MA110 C1508 1-124-907-11 ELECT 4.7MF 20% 50V 0345 8-719-104-34 D10DE IS2836 C1510 1-124-927-11 ELECT 4.7MF 20% 50V 0345 8-719-104-34 D10DE IS2836 C1511 1-164-182-11 CERAMIC CHIP 0.003MF 5% 50V 0346 8-719-104-34 D10DE IS2836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V 0346 8-719-104-34 D10DE IS2836 C1514 1-130-477-00 MVLAR 0.0033MF 5% 50V 0346 8-719-104-34 D10DE IS2836 C1514 1-130-477-00 MVLAR 0.0033MF 5% 50V 0346 8-719-104-34 D10DE IS2836 C1514 1-130-477-00 MVLAR 0.0033MF 5% 50V 0346 8-719-104-34 D10DE I	C1359 C1360 C1363 C1365	1-163-263-11 1-164-161-11 1-163-235-11 1-163-227-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	330PF 0.0022MF 22PF 10PF	5% 10% 5% 0.5PF	50V 50V 50V	D103 D104 D105	8-719-045-70 8-719-800-76 8-719-800-76	DIODE 15V230TPH3 DIODE 155226 DIODE 15S226	
C1400 1-163-031-11 CERAMIC CHIP 0.01MF 50V D302 8-719-025-07 D10DE RV232-TPH3 C1401 1-136-173-00 FILM 0.47MF 5% 50V D302 8-719-158-07 D10DE RA1.7SB C1402 1-163-031-11 CERAMIC CHIP 0.01MF 50V D302 8-719-800-76 D10DE RD4.7SB C1403 1-136-173-00 FILM 0.47MF 5% 50V C1404 1-164-299-11 CERAMIC CHIP 0.22MF 10% 25V D307 8-719-800-76 D10DE RD4.7SB C1404 1-164-299-11 CERAMIC CHIP 22PF 5% 50V D311 8-719-045-40 D10DE MA110 C1405 1-163-090-00 CERAMIC CHIP 22PF 5% 50V D312 8-719-404-46 D10DE MA110 C1406 1-163-090-00 CERAMIC CHIP 2PF 0.25PF 50V D312 8-719-404-46 D10DE MA110 C1407 1-163-085-00 CERAMIC CHIP 2PF 0.25PF 50V D313 8-719-404-46 D10DE MA110 C1500 1-124-473-11 ELECT 1000MF 20% 10V D313 8-719-404-46 D10DE MA110 C1501 1-124-472-11 ELECT 4.70MF 20% 10V D313 8-719-404-46 D10DE MA110 C1503 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V D323 8-719-404-46 D10DE MA110 C1504 1-124-907-11 ELECT 10MF 20% 50V D322 8-719-404-46 D10DE MA110 C1508 1-124-19-00 ELECT 330MF 20% 16V D322 8-719-404-46 D10DE MA110 C1508 1-124-927-11 ELECT 4.7MF 20% 50V D345 8-719-104-34 D10DE IS2836 C1510 1-124-927-11 ELECT 4.7MF 20% 50V D345 8-719-104-34 D10DE IS2836 C1511 1-164-182-11 CERAMIC CHIP 0.003MF 5% 50V D346 8-719-104-34 D10DE IS2836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D346 8-719-104-34 D10DE IS2836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D346 8-719-104-34 D10DE IS2836 C1514 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 4.7MF 20% 50V D346 8-719-104-34 D10DE IS2836 C1514 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 4.7MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1516 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1517 1-104-907-11 ELECT 4.7MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1517 1-104-907-11 ELECT 4.7MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1518 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1519 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1510 1-24-907-11 EL	C1366	1-124-4(1-11	ELECT	47MF	20%		D109	8-719-801-78	DIODE 1SS184	
C1400 1-163-031-11 CERAMIC CHIP 0.01MF 50V D302 8-719-025-07 D10DE RV232-TPH3 C1401 1-136-173-00 FILM 0.47MF 5% 50V D302 8-719-158-07 D10DE RA1.7SB C1402 1-163-031-11 CERAMIC CHIP 0.01MF 50V D302 8-719-800-76 D10DE RD4.7SB C1403 1-136-173-00 FILM 0.47MF 5% 50V C1404 1-164-299-11 CERAMIC CHIP 0.22MF 10% 25V D307 8-719-800-76 D10DE RD4.7SB C1404 1-164-299-11 CERAMIC CHIP 22PF 5% 50V D311 8-719-045-40 D10DE MA110 C1405 1-163-090-00 CERAMIC CHIP 22PF 5% 50V D312 8-719-404-46 D10DE MA110 C1406 1-163-090-00 CERAMIC CHIP 2PF 0.25PF 50V D312 8-719-404-46 D10DE MA110 C1407 1-163-085-00 CERAMIC CHIP 2PF 0.25PF 50V D313 8-719-404-46 D10DE MA110 C1500 1-124-473-11 ELECT 1000MF 20% 10V D313 8-719-404-46 D10DE MA110 C1501 1-124-472-11 ELECT 4.70MF 20% 10V D313 8-719-404-46 D10DE MA110 C1503 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V D323 8-719-404-46 D10DE MA110 C1504 1-124-907-11 ELECT 10MF 20% 50V D322 8-719-404-46 D10DE MA110 C1508 1-124-19-00 ELECT 330MF 20% 16V D322 8-719-404-46 D10DE MA110 C1508 1-124-927-11 ELECT 4.7MF 20% 50V D345 8-719-104-34 D10DE IS2836 C1510 1-124-927-11 ELECT 4.7MF 20% 50V D345 8-719-104-34 D10DE IS2836 C1511 1-164-182-11 CERAMIC CHIP 0.003MF 5% 50V D346 8-719-104-34 D10DE IS2836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D346 8-719-104-34 D10DE IS2836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D346 8-719-104-34 D10DE IS2836 C1514 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 4.7MF 20% 50V D346 8-719-104-34 D10DE IS2836 C1514 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 4.7MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1516 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1517 1-104-907-11 ELECT 4.7MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1517 1-104-907-11 ELECT 4.7MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1518 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1519 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1510 1-24-907-11 EL	C1372	1-124-477-11	ELECT	47MF	20%	25V	D112	8-719-404-46	DIODE MAILO	
C1400 1-163-031-11 CERAMIC CHIP 0.01MF 50V D302 8-719-025-07 D10DE RV232-TPH3 C1401 1-136-173-00 FILM 0.47MF 5% 50V D302 8-719-158-07 D10DE RA1.7SB C1402 1-163-031-11 CERAMIC CHIP 0.01MF 50V D302 8-719-800-76 D10DE RD4.7SB C1403 1-136-173-00 FILM 0.47MF 5% 50V C1404 1-164-299-11 CERAMIC CHIP 0.22MF 10% 25V D307 8-719-800-76 D10DE RD4.7SB C1404 1-164-299-11 CERAMIC CHIP 22PF 5% 50V D311 8-719-045-40 D10DE MA110 C1405 1-163-090-00 CERAMIC CHIP 22PF 5% 50V D312 8-719-404-46 D10DE MA110 C1406 1-163-090-00 CERAMIC CHIP 2PF 0.25PF 50V D312 8-719-404-46 D10DE MA110 C1407 1-163-085-00 CERAMIC CHIP 2PF 0.25PF 50V D313 8-719-404-46 D10DE MA110 C1500 1-124-473-11 ELECT 1000MF 20% 10V D313 8-719-404-46 D10DE MA110 C1501 1-124-472-11 ELECT 4.70MF 20% 10V D313 8-719-404-46 D10DE MA110 C1503 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V D323 8-719-404-46 D10DE MA110 C1504 1-124-907-11 ELECT 10MF 20% 50V D322 8-719-404-46 D10DE MA110 C1508 1-124-19-00 ELECT 330MF 20% 16V D322 8-719-404-46 D10DE MA110 C1508 1-124-927-11 ELECT 4.7MF 20% 50V D345 8-719-104-34 D10DE IS2836 C1510 1-124-927-11 ELECT 4.7MF 20% 50V D345 8-719-104-34 D10DE IS2836 C1511 1-164-182-11 CERAMIC CHIP 0.003MF 5% 50V D346 8-719-104-34 D10DE IS2836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D346 8-719-104-34 D10DE IS2836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D346 8-719-104-34 D10DE IS2836 C1514 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 4.7MF 20% 50V D346 8-719-104-34 D10DE IS2836 C1514 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 4.7MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1516 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1517 1-104-907-11 ELECT 4.7MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1517 1-104-907-11 ELECT 4.7MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1518 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1519 1-30-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1510 1-24-907-11 EL	C1374	1-124-477-11	ELECT	47MF	20%	25V				
C1401 1-136-173-00 FILM					40A		D300	8-719-025-07	DIODE 1SV232-TPH3	
C1403 1-136-173-00 F1LM	C1401	1-136-173-00	FILM	0.47MF	5%	50V	D302	8-719-158-07	DIODE RD4.7SB	
C1405 1-163-235-11 CERAMIC CHIP 22PF 5% 50V C1406 1-163-090-00 CERAMIC CHIP 7PF 0.25PF 50V C1407 1-163-085-00 CERAMIC CHIP 2PF 0.25PF 50V C1408 1-163-113-00 CERAMIC CHIP 2PF 0.25PF 50V C1500 1-124-473-11 ELECT 1000MF 20% 10V D312 8-719-404-46 D100E MA110 D317 8-719-404-46 D100E M310 D32 8-719-404-34 D100E M310 D32 8-719-404-34 D100E M310 D332 8-719-404-34 D100E M310 D332 8-719-404-34 D100E M310 D332 8-719-404-34 D100E M310 D333 8-719-404-34 D100E M310 D334 8-719-104-34 D100E M310 D334 8-719-104-34 D100E M310 D335 8-719-104-34 D100E M310 D335 8-719-104-34 D100E M310 D335 8-719-104-34 D100E M310 D335 8-719-104-34 D100E M310 D336 R318 R319-404-46 D100E M310 D336 R319-404-46 D1	C1403	1-136-173-00	FILM	0.47MF	5% 10%	50V	l			
C1406 1-163-090-00 CERAMIC CHIP 2PF 0.25PF 50V C1407 1-163-085-00 CERAMIC CHIP 2PF 0.25PF 50V C1408 1-163-113-00 CERAMIC CHIP 2PF 0.25PF 50V C1500 1-124-473-11 ELECT 1000MF 20% 10V D315 8-719-404-46 D10DE MA110 D317 8-719-404-46 D10DE MA110 D320 8-719-404-46 D10DE M310 D320 8-719-404-46 D10DE M310 D320 8-719-404-46 D10DE M310 D330 8-719-404-46 D10DE M310 D330 8-719-404-46 D10DE M310 D330 8-719-104-34 D10DE IS2836 D340			CERAMIC CHIE	22PF	5%	50V	D309	8-719-404-46	DIODE MAILO	
C1408 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C1500 1-124-473-11 ELECT 1000MF 20% 10V D315 8-719-404-46 D10DE MA110 D317 8-719-404-46 D10DE MA110 D320 8-719-104-34 D10DE IS2836 D320 8-719-404-46 D10DE MA110 D320 8-719-104-34 D10DE IS2836 D320	C 1407	1-163-090-00 1-163-085-00	CERAMIC CHIE	7PF 2PF	0.25PF 0.25PF	50V 50V	D312	8-719-404-46	DIODE MAILO	
C1501 1-124-472-11 ELECT 470MF 20% 10V D320 8-719-404-46 D10DE MA110 C1502 1-101-821-00 CERAMIC CHIP 0.1MF 10% 25V D323 8-719-404-46 D10DE MA110 C1503 1-164-004-11 CERAMIC CHIP 0.1MF 20% 50V C1504 1-124-907-11 ELECT 10MF 20% 50V C1506 1-124-119-00 ELECT 330MF 20% 16V D327 8-719-104-34 D10DE IS2836 C1507 1-163-141-00 CERAMIC CHIP 0.001MF 5% 50V D338 8-719-404-46 D10DE MA110 C1508 1-124-927-11 ELECT 4.7MF 20% 50V D345 8-719-104-34 D10DE IS2836 C1511 1-164-182-11 CERAMIC CHIP 0.0033MF 10% 50V C1512 1-124-927-11 ELECT 4.7MF 20% 50V D346 8-719-104-34 D10DE IS2836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D361 8-719-104-34 D10DE IS2836 C1514 1-130-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 10MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 10MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 10MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 10MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 10MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 10MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 10MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 10MF 20% 50V D361 8-719-104-34 D10DE IS2836 C1515 1-124-907-11 ELECT 10MF 20% 50V D361 8-719-104-34 D10DE IS2836	C1408 C1500	1-163-113-00	CERAMIC CHIE	68PF			D315	8-719-404-46		
C1504 1-124-907-11 ELECT 10MF 20% 50V	C1501				20%	107	1 0320	8-719-404-46	DIODE MAILO	
C1506 1-124-119-00 ELECT 330MF 20% 16V D327 8-719-104-34 D10DE 1\$2836 C1507 1-163-141-00 CERAMIC CHIP 0.001MF 5% 50V D338 8-719-404-46 D10DE MA110 C1508 1-124-927-11 ELECT 4.7MF 20% 50V D345 8-719-104-34 D10DE 1\$2836 C1510 1-124-927-11 ELECT 4.7MF 20% 50V D346 8-719-104-34 D10DE 1\$2836 C1511 1-164-182-11 CERAMIC CHIP 0.0033MF 10% 50V C1512 1-124-927-11 ELECT 4.7MF 20% 50V D347 8-719-104-34 D10DE 1\$2836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D360 8-719-104-34 D10DE 1\$2836 C1514 1-130-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE 1\$2836 C1515 1-124-907-11 ELECT 10MF 20% 50V D361 8-719-104-34 D10DE 1\$2836 C1515 1-124-907-11 ELECT 10MF 20% 50V D361 8-719-404-46 D10DE MA110	C1503	1-164-004-11	CERAMIC CHI	0.1MF		25V	D322			
C1507 1-163-141-00 CERAMIC CHIP 0.001MF 5% 50V D348 8-719-404-46 D10DE MA110 C1508 1-124-927-11 ELECT 4.7MF 20% 50V D345 8-719-104-34 D10DE 152836 C1510 1-124-927-11 ELECT 4.7MF 20% 50V D346 8-719-104-34 D10DE 152836 C1511 1-164-182-11 CERAMIC CHIP 0.0033MF 10% 50V D347 8-719-104-34 D10DE 152836 C1512 1-124-927-11 ELECT 4.7MF 20% 50V D347 8-719-104-34 D10DE 152836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D361 8-719-104-34 D10DE 152836 C1514 1-130-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE 152836 C1515 1-124-907-11 ELECT 10MF 20% 50V D381 8-719-404-46 D10DE MA110 C1515 1-124-907-11 ELECT 10MF 20% 50V D401 8-719-404-46 D10DE MA110	C1504						D327			
C1510 1-124-927-11 ELECT 4.7MF 20% 50V D346 8-719-104-34 D10DE 1S2836 C1511 1-164-182-11 CERAMIC CHIP 0.0033MF 10% 50V D347 8-719-104-34 D10DE 1S2836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D361 8-719-104-34 D10DE 1S2836 C1514 1-130-477-00 MYLAR 0.0033MF 5% 50V D361 8-719-104-34 D10DE 1S2836 C1514 1-130-477-00 MYLAR 0.0033MF 5% 50V D381 8-719-404-46 D10DE MA110 C1515 1-124-907-11 ELECT 10MF 20% 50V D401 8-719-404-46 D10DE MA110		1-163-141-00					D338	8-719-404-46	DIODE MAILO	
C1512 1-124-927-11 ELECT 4.7MF 20% 50V D347 8-719-104-34 D10DE 152836 C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D361 8-719-104-34 D10DE 152836 C1514 1-130-477-00 MYLAR 0.0033MF 5% 50V D381 8-719-104-34 D10DE 152836 C1515 1-124-907-11 ELECT 10MF 20% 50V D401 8-719-404-46 D10DE MA110	C1510	1-124-927-11	ELECT	4.7MF	20%	50V				
C1513 1-163-133-00 CERAMIC CHIP 470PF 5% 50V D361 8-719-104-34 D10DE 152836 C1514 1-130-477-00 MYLAR 0.0033MF 5% 50V D381 8-719-404-46 D10DE MA110 C1515 1-124-907-11 ELECT 10MF 20% 50V D401 8-719-404-46 D10DE MA110					20%			8-719-104-34 8-719-104-34	DIODE 152836 DIODE 152836	
C1515 1-124-907-11 ELECT 10MF 20% 50V D401 8-719-404-46 DIODE MAILO	C1514	1-130-477-00	MYLAR	0.0033MF	5%	50V	D361 D381	8-719-104-34 8-719-404-46	DIODE 152836 DIODE MAIIO	
	C1515 C1516				20%		D401			

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D404 D405 D406 D407 D408		DIODE 1SS226 DIODE 1SS184 DIODE MAIIO DIODE MAIIO DIODE MAIIO DIODE MAIIO		IC101 IC102 IC103 IC104 IC105	8-759-196-71 8-759-168-37 8-759-008-48 8-759-262-59 8-759-196-70	IC UPD78013YCW-Y03 IC ST24C01B1 IC MC74HC86F IC UPD6451AGT-632-E2 IC MG2358FP-E1	
D410 D411 D414 D415 D416	8-719-404-46 8-719-801-78 8-719-801-78	DIODE MA110 DIODE MA110 DIODE 1SS184 DIODE 1SS184 DIODE 1SS184		IC107 IC108 IC109	8-759-196-70 8-759-042-02 8-759-196-70	IC M62358FP-E1 IC M62358FP-E1 IC 5-80743AL-A7-S IC M62358FP-E1 IC M62358FP-E1	
D417 D418 D421 D422 D423	8-719-801-78 8-719-404-46 8-719-404-46	DIODE 1SS184 DIODE 1SS184 DIODE MA110 DIODE MA110 DIODE 1SS226		1C200 1C302 1C304 1C305	8-759-631-08	IC AN5265 IC LM358D IC XRU4053BF-E2 IC M51279FP	
D424 D425 D427 D500 D501	8-719-404-46 8-719-800-76 8-719-404-46 8-719-404-46 8-719-977-03	DIODE 1SS226 DIODE MA110 DIODE MA110 DIODE DTZ5.6B		1C309 1C310 1C311 1C312	8-759-509-05 8-759-711-32	IC NJM2245M IC XRU4053BF-E2 IC XRU4066BF IC NJM2245M	
D502 D503 D504 D505 D506	8-719-979-80 8-719-404-46 8-719-901-83 8-719-028-72 8-719-945-80	DIODE MA110 DIODE 1SS83 DIODE RGP02-17EL-6433 DIODE ERCO6-15S		IC313 IC314 IC318 IC320 IC321	8-759-048-09 8-759-501-21 8-759-509-57 8-759-501-21 8-759-501-21	IC MM1148XF IC MM1149XF IC XRU4584BF IC MM1149XF IC MM1149XF	
D507 D508 D510 D512 D513	8-719-800-76 8-719-302-43	DIODE EL1Z DIODE UF5406		IC322 IC323 IC324 IC325 IC326	8-759-501-21 8-759-501-21 8-759-501-21 8-759-501-21 8-759-998-96	1C MM1149XF IC MM1149XF IC MM1149XF	
D514 D515 D516 D517 D518	8-719-404-46 8-719-404-46	DIODE ERC38-06 DIODE MA110		1C401 1C402	8-759-509-05	IC BA7655AF-E2 IC CXA1211M IC XRU4066BF	
D519 D520 D522 D523 D524	8-719-404-46 8-719-801-78 8-719-977-05 8-719-404-46 8-719-200-02	B DIODE 188184 5 DIODE DTZ6.2 6 DIODE MA110		1C407 1C408 1C409	8-759-998-98 8-759-509-05 8-759-509-91 8-759-998-96	IC XRU4066BF IC XRA10393F IC LM324D	
D525 D526 D527 D528 D529	8-719-200-02 8-719-404-46 8-719-200-03 8-719-300-76 8-719-200-03	5 DIODE MA110 2 DIODE 10E-2 5 DIODE RH-1A		1C410 1C411 1C412 1C413 1C500	8-759-932-64 8-759-008-92 8-759-509-19 8-759-509-19 8-749-010-07	IC BU4052BF IC MC14024BF IC XRU4053BF-E2 IC XRU4053BF-E2 IC H8D7248	
D530 D531 D532 D533 D534	8-719-300-70 8-719-977-30 8-719-800-70 8-719-302-4 8-719-404-4	2 DIODE DT711B 6 DIODE 1SS226 3 DIODE EL17		1 C 5 0 2 1 C 5 0 3 1 C 5 0 4 1 C 5 0 5 1 C 5 0 7	8 -759-009-51 4 8-752-053-21 5 8-759-520-07	IC MC14538BF IC CXA1211M IC XRA17812T	
D535 D536 D538 D539 D540	8-719-404-4 8-719-800-7 8-719-800-7 8-719-404-4 8-719-404-4	6 DIODE 1SS226 6 DIODE 1SS226 6 DIODE MA110		1050s	9 8-759-998-98	IC CXA1211M B IC LM358D DIL>	
	-0	PLAV LINES		L101	1-408-609-41		
DL30 DL30 DL40	0 1-415-633-1 1 1-415-632-1			L102 L104 L300 L305	1-410-196-1	INDUCTOR 47UH INDUCTOR 47UH INDUCTOR CHIP 2.2UH	
10		C>		L308 L309 L311 L312	1-410-470-1 1-410-470-1	I INDUCTOR 10UH 1 INDUCTOR 10UH	

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

REF.NO. PART NO. DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
REF.NO. PART NO. DESCRIPTION		Q322 Q325 Q326 Q327 Q329	8-729-120-28 8-729-120-28 8-729-120-28 8-729-216-22 8-729-141-53	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC824-YYXYA	
L403 1-410-216-31 INDUCTOR CHIP 100UH L404 1-410-216-31 INDUCTOR CHIP 100UH L405 1-408-419-00 INDUCTOR 68UH L406 1-408-419-00 INDUCTOR 68UH L407 1-408-413-00 INDUCTOR 22UH		Q330 Q331 Q333 Q341	8-729-216-22 8-729-216-22 8-729-120-28 8-729-920-39 8-729-920-39	TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 1MT1US	
L408 1-408-413-00 INDUCTOR 22UH L409 1-410-214-31 INDUCTOR CHIP 68UH L500 1-459-155-00 COIL (WITH CORE) 45UH L501 1-407-365-00 COIL, CHOKE L502 1-407-365-00 COIL, CHOKE		Q343 Q345 Q350 Q351	8-729-120-28 8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR INTIUS TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6	
L503 1-410-093-11 INDUCTOR 33MMH L504 1-410-666-31 INDUCTOR 18UH L505 1-410-671-31 INDUCTOR 47UH L507 1-410-686-11 INDUCTOR 1MMH L508 1-412-530-31 INDUCTOR 27UH		Q353 Q354 Q360 Q361	8-729-120-28 8-729-120-28 8-729-907-26 8-729-901-06	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR IMX1 TRANSISTOR DTA144EK	
L509 1-459-075-00 COIL, DYNAMIC CONVERSION CHOKE L511 1-459-106-00 COIL, DUST CORE L512 1-459-155-00 COIL (WITH CORE) 45UH L513 1-412-447-11 INDUCTOR 3.9MMH L514 1-459-104-00 COIL, DUST CORE		Q364 Q365 Q372 Q401	8-729-901-01 8-729-901-01 8-729-901-01 8-729-120-28	TRANSISTOR 25C1623-L5L6 TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR 25C1623-L5L6	
L515 1-459-059-00 COIL, DUST CORE L516 A 1-459-760-13 COIL, HORIZONTAL LINEARITY L517 1-412-547-21 INDUCTOR 6800H		Q403 Q404 Q405 Q406	8-729-120-28 8-729-901-01 8-729-216-22 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC144EK TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6	
NL500 1-519-526-11 LAMP, NEON		Q407 Q408	8-729-120-28 8-729-216-22 8-729-216-22	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G	
<pre><transistor> Q101 8-729-901-01 TRANSISTOR DTC144EK</transistor></pre>		Q410 Q411 Q412 Q413	8-729-907-26 8-729-120-28 8-729-216-22 8-729-141-53	TRANSISTOR 2SAI162-0 TRANSISTOR 1MX1 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-6 TRANSISTOR 2SK94-Y93344	
Q107 8-729-901-06 TRANSISTOR DTA144EK Q108 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q109 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q110 8-729-120-28 TRANSISTOR 2SC1623-L5L6		Q414 Q415 Q416 Q417	8-729-216-22 8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G	
Q112 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q113 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q114 8-729-119-78 TRANSISTOR 2SC2785-HFE Q200 8-729-140-96 TRANSISTOR 2SD774-34		Q419 Q420 Q421 Q422	8-729-216-22 8-729-216-22 8-729-901-01 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6	
Q304 8-729-120-28 TRANSISTOR 25C1623-L5L6		Q426 Q428	8-729-120-28 8-729-901-01 8-729-901-01 8-729-901-01 8-729-216-22	TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR 2SA1162-G	
Q305 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q307 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q308 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q309 8-729-216-22 TRANSISTOR 2SA1162-G Q311 8-729-216-22 TRANSISTOR 2SA1162-G		Q429 Q430 Q431 Q432 Q433	8-729-216-22 8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTUR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6	
Q312 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q313 8-729-216-22 TRANSISTOR 2SA1162-G Q315 8-729-120-28 TRANSISTOR 2SA1162-G Q316 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q317 8-729-120-28 TRANSISTOR 2SC1623-L5L6		Q434 Q435 Q436 Q437	8-729-901-01 8-729-901-01 8-729-901-01	TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR DTC144EK	
Q318 8-729-216-22 TRANSISTOR 2SA1162-G Q319 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q320 8-729-119-78 TRANSISTOR 2SC2785-HFE Q321 8-729-120-28 TRANSISTOR 2SC1623-L5L6		Q438 Q439 Q440 Q441	8-729-216-22 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SK94-X2X3X4	

	PART NO.		REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
Q442 Q443 Q444 Q445 Q500	8-729-120-28 8-729-216-22 8-729-120-28 8-729-901-01 8-729-216-22	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC144EK TRANSISTOR 2SA1162-G TRANSISTOR 2SD1397-CA TRANSISTOR 2SC2688-LK		R139 R140 R141 R142 R143	1-216-295-00 1-216-033-00 1-216-085-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 220 33K 0	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
Q503 Q504	8-729-313-42 8-729-120-28	TRANSISTOR 2SD1134-C TRANSISTOR 2SC1623-L5L6		R147 R149	1-216-295-00 1-216-065-00	METAL GLAZE METAL GLAZE	0 4.7K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
Q506 Q507 Q508 Q511 Q512	8-729-120-28 8-729-120-28 8-729-216-22 8-729-120-28 8-729-195-82	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC2958-L		R153 R154 R155 R157 R157	1-216-295-00 1-216-065-00 1-249-434-11 1-216-065-00 1-216-063-00	METAL GLAZE METAL GLAZE CARBON METAL GLAZE METAL GLAZE	0 4.7K 27K 4.7K 3.9K	5% 5% 5% 5%	1/10W 1/10W 1/4W 1/10W 1/10W	
Q513 Q515 Q517 Q519 Q520	8-729-122-03 8-729-169-02 8-729-901-06 8-729-901-01 8-729-905-67	TRANSISTOR 2SA1220A-P TRANSISTOR 2SC2690A-Q TRANSISTOR DTA144EK TRANSISTOR DTC144EK TRANSISTOR 2SD1944-K		R160 R162 R163 R164 R165	1-216-061-00 1-216-065-00 1-216-065-00 1-216-067-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 4.7K 4.7K 5.6K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
Q522 Q523 Q524 Q525 Q526	8-729-120-28 8-729-120-28 8-729-119-78 8-729-119-76 8-729-216-22	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC2958-L TRANSISTOR 2SC2958-L TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR 2SD1944-K TRANSISTOR 2SC1623-L5L6		R167 R170 R173 R175 R177	1-216-061-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 0 0 0 4.7K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
U 527	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R180	1-216-295-00	METAL GLAZE	0 4 7K	5% 5%	1/10₩ 1/10₩	
JR122	<res< td=""><td>SISTOR></td><td>1/10W</td><td>R183 R185</td><td>1-216-295-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>0 10K</td><td>5% 5%</td><td>1/10W 1/10W 1/10W</td><td></td></res<>	SISTOR>	1/1 0 W	R183 R185	1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 10K	5% 5%	1/10W 1/10W 1/10W	
JR123 JR302 JR306 R101	1-216-295-00 1-216-295-00 1-216-295-00 1-216-025-00	METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 100 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R188 R189 R190 R192	1-216-295-00 1-216-073-00 1-216-049-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 10K 1K 10K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R102 R103 R104 R105 R106	1-216-025-00 1-216-025-00 1-216-073-00 1-216-059-00 1-216-065-00	METAL GLAZE 100 5% METAL GLAZE 100 5% METAL GLAZE 10K 5% METAL GLAZE 2.7K 5% METAL GLAZE 4.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R193 R195 R197 R198 R199	1-216-295-00 1-216-071-00 1-216-061-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 8.2K 3.3K 0	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R 108 R 109 R 110 R 111 R 112	1-216-065-00 1-216-065-00 1-216-073-00 1-216-295-00 1-216-295-00	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 SISTOR> METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 100 5% METAL GLAZE 100 5% METAL GLAZE 100 5% METAL GLAZE 10K 5% METAL GLAZE 10K 5% METAL GLAZE 4.7K 5% METAL GLAZE 4.7K 5% METAL GLAZE 4.7K 5% METAL GLAZE 10K 5% METAL GLAZE 10K 5% METAL GLAZE 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R200 R201 R202 R203	1-216-684-11 1-216-049-00 1-212-857-00 1-260-095-11 1-260-072-11 1-216-647-11	METAL CHIP METAL GLAZE FUSTBLE CARBON	24K 1K 10 470	0.50% 5% 5%	1/10W 1/10W 1/4W 1/2W	F
R113 R114 R115 R116	1-216-085-00 1-216-295-00 1-216-295-00 1-218-761-11	METAL GLAZE 0 5%	1/10W	R205 R206 R207	1-216-647-11 1-216-073-00 1-216-065-00	METAL GLAZE	680 10K 4.7K	5%	1/10W 1/10W 1/10W	
R117 R118	1-216-089-91	METAL GLAZE 47K 5%	1/10W 1/10W	R208 R209 R210	1-216-065-00 1-216-073-00 1-216-061-00	METAL GLAZE METAL GLAZE	4.7K 10K 3.3K	5% 5% 5%	1/10W 1/10W 1/10W	
R119 R120 R121 R123	1-216-689-11 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE 39K 5% METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 0 5%	1/10W 1/10W 1/10W 1/10W	R211 R237 R302 R304	1-249-393-11 1-216-089-91 1-216-025-00 1-216-025-00	CARBON METAL GLAZE METAL GLAZE	10 47K 100 100	5% 5% 5%	1/4W 1/10W 1/10W 1/10W	F
R125 R128 R129 R130 R131	1-216-295-00 1-216-295-00 1-216-295-00 1-216-101-00 1-216-295-00	METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 150K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R307 R308 R312 R313	1-216-115-00 1-216-065-00 1-216-073-00 1-216-649-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	560K 4.7K 10K 820	5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W	
R132 R134	1-216-065-00 1-216-065-00	METAL GLAZE 4.7K 5%	1/10W 1/10W	R314 R315	1-216-099-00 1-216-099-00	METAL GLAZE	120K 120K	5% 5%	1/10W 1/10W	
R136 R137 R138	1-216-295-00 1-216-065-00	METAL GLAZE 0 5%	1/10W 1/10W 1/10W	R316 R317 R318	1-216-049-00 1-216-057-00 1-216-049-00		1K 2.2K 1K	5% 5% 5%	1/10W 1/10W 1/10W	

REF.NO. PART NO.	DESCRIPTION			REMARK	!REF.NO.	PART NO.	DESCRIPTION				REMARK
							DESCRIPTION				nemank
R320 1-216-057-00 R321 1-216-051-00 R322 1-216-035-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 1.2K 270 330K 150K	5% 1/10W 5% 1/10W 5% 1/10W		R443 R444	1-216-049-00 1-216-105-00 1-216-095-00		1K 220K	-	1/10W 1/10W	
R323 1-216-109-00 R324 1-216-101-00 R325 1-216-037-00					R447	1-216-069-00 1-216-049-00	METAL GLAZE METAL GLAZE	220K 82K 6.8K 1K	5%	1/10W 1/10W 1/10W	
R325 1-216-037-00 R326 1-216-033-00 R328 1-216-121-00 R329 1-216-055-00	METAL GLAZE METAL GLAZE METAL GLAZE	330 220 1M 1.8K 47K	5% 1/10W 5% 1/10W 5% 1/10W		R449	1-216-073-00	METAL GLAZE	10K 1M 330		1/10W 1/10W	
R330 1-216-093-00 R331 1-216-093-00					R451 R452 R453	1-216-037-00 1-216-651-11 1-216-097-00	METAL CHIP METAL GLAZE	330 1K 100K 33K	0.50%	1/10W	
R334 1-216-093-00 R335 1-216-083-00 R336 1-216-065-00	METAL GLAZE METAL GLAZE	68K 68K 27K 4.7K	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W		R456	1-216-085-00	METAL GLAZE			1/10W 1/10W	
R342 1-216-065-00	METAL GLAZE				R458 R459	1-216-025-00 1-216-113-00 1-216-649-11 1-216-073-00	METAL GLAZE	1.5K 100 470K 820	0.50%	1/10W 1/10W 1/10W	
R346 1-216-057-00 R350 1-216-085-00	METAL GLAZE METAL GLAZE METAL GLAZE	3.9K 2.2K 33K 4.7K 390K	5% 1/10W 5% 1/10W 5% 1/10W		R462 R463	1-216-651-11 1-216-065-00	METAL CHIP	10K	0.50%		
R376 1-216-111-00					R462 R463 R464 R465 R466	1-216-065-00 1-216-025-00 1-216-077-00	METAL GLAZE	4.7K 4.7K 100 15K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R378 1-216-111-00 R382 1-216-107-00 R387 1-216-029-00 R388 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	390K 270K 150 220	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W			1-216-121-00	METAL GLAZE METAL GLAZE	1M 220K		1/10W 1/10W	
R393 1-216-073-00 R394 1-216-083-00					R469 R470 R471	1-216-063-00 1-216-069-00 1-216-109-00	METAL GLAZE METAL GLAZE METAL GLAZE	3.9K 6.8K 330K	5%	1/10W 1/10W 1/10W	
R397 1-216-113-00 R398 1-216-105-00 R399 1-216-111-00	METAL GLAZE METAL GLAZE METAL GLAZE	27K 470K 220K 390K 1.5K	5% 1/10W 5% 1/10W 5% 1/10W		R472 R473	1-216-077-00 1-216-121-00	METAL GLAZE METAL GLAZE	15K 1M	5% 5%	1/10W 1/10W	
R401 1-216-053-00 R402 1-216-053-00					R474 R475 R476	1-216-649-11 1-216-025-00 1-216-061-00	METAL CHIP METAL GLAZE METAL GLAZE	100	0.50% 5%	1/10W 1/10W 1/10W	
R403 1-216-069-00 R406 1-216-083-00 R407 1-216-085-00 R408 1-216-689-11	METAL GLAZE METAL GLAZE METAL CHIP	27K 33K	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 0.50% 1/10W		R477 R478	1-216-061-00 1-216-073-00	METAL GLAZE METAL GLAZE	3.3K 10K	5% 5%	1/10W 1/10W	
R410 1-216-069-00			5% 1/10W 5% 1/10W 5% 1/10W		R480 R481	1-216-085-00 1-216-077-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	33K 15K 220	5%	1/10W 1/10W 1/10W	
R412 1-216-089-91 R413 1-216-668-11 R416 1-216-113-00	METAL CHIP	47K 5.1K 470K	5% 1/10W 0.50% 1/10W 5% 1/10W		R482 R483 R484 R485 R486	1-216-057-00 1-216-025-00 1-216-651-11	METAL GLAZE METAL GLAZE METAL CHIP	2.2K 100 1K	5% 5% 0.50%	1/10W 1/10W	
					R485 R486	1-216-651-11 1-216-033-00 1-216-681-11	METAL GLAZE METAL CHIP	220 18K		1/10W	
M420 1-210-089-11	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 39K 10K	0.50% 1/10W 0.50% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W		R487 R488 R489	1-216-653-11 1-216-073-00 1-216-077-00	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	1.2K 10K 15K	0.50% 5% 5%	1/10W 1/10W 1/10W	
R423 1-216-073-00 R424 1-216-033-00	METAL GLAZE METAL GLAZE	10K 220			R491	1-216-057-00 1-216-061-00	METAL GLAZE METAL GLAZE	2.2K 3.3K	5% 5%	1/10W 1/10W	
R424 1-216-033-00 R425 1-216-049-00 R426 1-216-039-00 R427 1-216-033-00	METAL GLAZE METAL GLAZE	1K 390 220	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W		R492 R493 R494	1-216-085-00 1-216-295-00 1-216-085-00	METAL GLAZE METAL GLAZE METAL GLAZE	33K 0 33K	5% 5% 5%	1/10W 1/10W 1/10W	
R428 1-216-097-00 R429 1-216-073-00 R430 1-216-119-00	METAL GLAZE	100K 10K	5% 1/10W 5% 1/10W		R495 R496	1-216-651-11 1-216-073-00	METAL CHIP METAL GLAZE	1K 1OK	0.50% 5%	1/10W 1/10W	
R430 1-216-119-00 R431 1-216-097-00 R432 1-216-089-91	METAL GLAZE METAL GLAZE METAL GLAZE	820K 100K 47K	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W		R497 R498 R499	1-216-653-11 1-216-061-00 1-216-033-00	METAL CHIP METAL GLAZE METAL GLAZE	1.2K 3.3K 220	0.50% 5% 5% 5%	1/10W 1/10W 1/10W	
R434 1-216-109-00 R435 1-216-105-00 R436 1-216-113-00	METAL GLAZE METAL GLAZE METAL GLAZE	330K 220K 470K	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W		R500 R502	1-216-689-11 1-216-677-11	METAL CHIP	39K 12K	0.50%	1/10W 1/10W	
R437 1-216-097-00 R438 1-216-053-00	METAL GLAZE	100K 1.5K	5% 1/10W 5% 1/10W		R503 R504 R505 R506	1-216-677-11 1-216-111-00 1-216-067-00	METAL CHIP METAL GLAZE METAL GLAZE	12K 390K 5.6K	5% 5%	1/10W 1/10W 1/10W	
R439 1-216-033-00 R440 1-216-049-00 R441 1-216-645-11	METAL GLAZE	220 1 K 560	5% 1/10W 5% 1/10W 0.50% 1/10W		R508	1-216-073-00 1-216-083-00	METAL GLAZE METAL GLAZE	10K 27K	5% 5%	1/10W 1/10W	
R442 1-216-647-11		680	0.50% 1/10W		R509	1-216-105-00 1-216-089-91	METAL GLAZE METAL GLAZE	220K 47K	5% 5%	1/10W 1/10W	

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	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.		DESCR	IPTION				REMARK
R510 R511	1-216-097-00 1-216-099-00	METAL GLAZE METAL GLAZE	100K 120K	5% 5%	1/10W 1/10W		R586	1-216-68	6-11	METAL	CHIP		0.50%		
R512 R513 R514	1-216-055-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	100K 120K 1.8K 0	5% 5% 5%	1/10W 1/10W 1/10W		R588 R588 R589	1-216-68 1-216-07 1-216-07 1-216-08 1-216-68 1-216-68 1-247-68 1-216-64 1-260-10 1-216-68 1-214-75	7-00 7-00	METAL (CHIP GLAZE GLAZE	15K 5.6K	0.50% 5% 5%	1/10W 1/10W 1/10W	
R515 R516	1-216-675-11 1-216-697-11	METAL CHIP	10K 82K	0.50% 0.50%	1/10W 1/10W		R591	1-216-68	3-11	METAL	CHIP	22K	0.50%	1/1UW	P
R517 R518 R519	1-214-888-00 1-260-123-11 1-216-017-00	METAL CARBON METAL GLAZE	10K 100K 47	1% 5% 5%	1/2W 1/2W 1/10W		R592 R593 R594	1-247-68 1-216-64 1-260-10 1-216-68	8-11 7-11 4-91	METAL CARBON	CHIP	680 2.7K	5%	1/10W 1/2W	r
R520 R521	1-249-423-11 1-216-065-00	CARBON METAL GLAZE	3.3K 4.7K	5% 5%	1/4W 1/10W	F	R595 R596	1-216-68	9-11 4-00	METAL	GLAZE	11K	1%	1/4W	n
R522 R523 R524	1-260-111-11 1-215-892-11 1-216-093-00	CARBON METAL OXIDE METAL GLAZE	10K 1K 68K	5% 5% 5%	1/2W 2W 1/10W	F	R597 R598 R599	1-249-41 1-216-08 1-216-64 1-216-29 1-216-07	7-11 5-00 5-11	METAL METAL	GLAZE CHIP	33K 560	5% 5% 0.50%	1/4W 1/10W 1/10W	*
R525 R528	1-216-069-00 1-216-089-91			5% 5%	1/10W 1/10W		R1102 R1103	1-216-29	7-00	METAL	GLAZE				
R529 R530 R531	1-216-089-91 1-216-367-11 1-216-077-00	METAL GLAZE METAL OXIDE METAL GLAZE	6.8K 47K 47K 0.68 15K	5% 5% 5%	1/10W 2W 1/10W	F	R1104 R1105 R1106	1-216-69 1-216-07 1-216-09 1-216-05	3-00 17-00	METAL METAL	GLAZE GLAZE	100K 100K 100K 2.7K	0.50% 5% 5%	1/10W 1/10W	
R532 R533	1-215-919-71 1-247-723-11			5%	3W	F	R1108	1-216-68	11-11	METAL	CHIP	18K	0.50%		
R534 R535 R538	1-216-085-00 1-249-448-11 1-216-077-00	METAL GLAZE CARBON METAL GLAZE	2.2K 6.8K 33K 1.2 15K	5% 5% 5%	1/10W 1/4W 1/10W	F	R11109 R11110	1-216-29 1-216-29 1-216-08 1-216-11 1-216-07	95-00 95-00 81-00	METAL METAL METAL	GLAZE GLAZE	0 0 22K	5% 5%	1/10W 1/10W 1/10W 1/10W	
R539 R540	1-216-065-00	METAL GLAZE METAL GLAZE CARBON	4.7K 470K	5% 5%	1/10W 1/10W	E.	R1123	1-216-07	71-00	METAL		470K 8.2K		1/10W 1/10W	
R541 R542 R543	1-249-383-11 1-216-057-00 1-212-883-00	METAL GLAZE FUSIBLE	4.7K 470K 1.5 2.2K 120	5% 5%	1/10W 1/4W	F	R1125 R1128	1-216-04 1-216-04 1-216-04 1-216-04 1-216-04	19-00 19-00 55-00	METAL METAL METAL	GLAZE	470K 1K 4.7K 8.2K 1K	5% 5% 5%	1/10W 1/10W	
R544 R545 R546	1-216-095-00 1-216-073-00 1-249-425-11	METAL GLAZE METAL GLAZE	82K 10K 4.7K 2.2K	5% 5%	1/10W 1/10W	E	R1131	1-216-0	19-00 71-00	METAL	GLAZE GLAZE	1 K	5% 5%	1/10W	
R548 R549	1-216-057-00 1-216-677-11	METAL CHIP	2.2K 12K	5% 0.50%	1/10W 1/10W		R1134 R1135 R1136	1-216-0; 1-216-0; 1-216-0; 1-216-0; 1-216-0; 1-216-0; 1-216-6; 1-216-6; 1-216-6; 1-216-6; 1-216-0;	73-00 95-00 97-00	METAL METAL METAL	GLAZE GLAZE GLAZE	10K 0 100K	5% 5% 5%	1/10W 1/10W 1/10W	
R550 R551 R552	1-216-053-00 1-216-077-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 15K 220 27K 82K	5% 5% 5%	1/10W 1/10W 1/10W) } J	R1139	1-216-09	55-00 53-11	METAL	GLAZE	1.8K	5% 0.50%	1/10W	
R553 R554	1-216-083-00 1-216-095-00		27K 82K	5% 5%	1/10V 1/10V))	R1141 R1142 R1143	1-216-0 1-216-6 1-216-6	83-00 53-11 53-11	METAL METAL METAL	GLAZE CHIP CHIP	27K 1.2K 1.2K	5% 0.50% 0.50%	1/10W 1/10W 1/10W	
R555 R556 R557	1-216-692-11 1-216-464-11 1-216-081-00	METAL CHIP METAL OXIDE METAL GLAZE	51K 18K 22K	0.50% 5% 5%	1/100 2W 1/100	F P	R1144 R1145	1-216-0 1-216-0	73-00 67-00	METAL	GLAZE GLAZE	10K 5.6K	5% 5%	1/10W 1/10W	
R 558 R 559	1-247-711-11 1-216-109-00	METAL CHIP METAL OXIDE METAL GLAZE CARBON METAL GLAZE	680 330K	5% 5%	1/4W 1/10	F	R1146 R1147 R1148	1-216-0 1-216-0 1-216-0	57-00 57-00 65-00	METAL METAL METAL	GLAZE GLAZE GLAZE	5.6K 2.2K 2.2K 4.7K	5% 5%	1/10W 1/10W 1/10W	
R560 R561 R563	1-216-091-00 1-216-049-00 1-216-017-00	METAL GLAZE	56K 1K 47	5% 5% 5%	1/100 1/100 1/100	N.	R1150	1-216-0 1-216-0			GLAZE GLAZE	330 22K 3.3M	5%	1/10W 1/10W	
R564 R565	1-216-107-00 1-216-033-00	METAL GLAZE	270K 220	5% 5%	1/10 1/10	W.	R1155 R1163 R1164	1-216-1 1-216-0	33-00 33-00	METAL METAL	GLAZE GLAZE GLAZE	3.3M 220 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
R567 R568 R569	1-216-081-00 1-216-073-00 1-260-114-11	METAL GLAZE	22K 10K 18K	5% 5% 5% 5%	1/10 1/10 1/2W	Į.	R1165	1-216-0 1-216-2	49-00 95-00) METAL) METAL	GLAZE GLAZE	1K 0		1/10W 1/10W	
R571 R572	1-216-065-00 1-216-059-00) METAL GLAZE) METAL GLAZE	4.7K 2.7K		1/10 1/10	M	R1171 R1172 R1176	1-216-0 1-216-0 1-216-2	185-00 185-00 195-00) METAL) METAL) METAL	GLAZE GLAZE GLAZE	33K 33K 0	5% 5% 5% 5% 5% 5%	1/10W 1/10W 1/10W	
R573 R574 R576	1-216-101-0	METAL GLAZE METAL GLAZE		5% 5%	1/10 1/10 1/10	₩ ₩	R1177	1-216-3	95-00	METAL	GLAZE	8.2K 0	5%	1/10W	
R 578 R 580	1-216-693-1 1-216-105-0) METAL GLAZE	56K 220k	5%	2 1/10 1/10	W	R1179 R1180 R1181	1-216-0 1-216-2	189-91 195-00	METAL Metal	GLAZE GLAZE GLAZE	470 47K 0	5% 5% 5%	1/10W 1/10W 1/10W	
R582 R583 R584	1-216-039-0 1-216-071-0	O METAL GLAZE O METAL GLAZE	33K 390 8.2i		1/10 1/10 1/10	W W		1-216-0	71-00) METAL	GLAZE	2.7M 8.2K 2.7M		1/10W 1/10W 1/10W)
R585	1-216-033-0	O METAL GLAZE	220	24	1/10	W	, ni184	1-216-1	DI-1.	, me i Al	GLAZE	4. (8	J/6	1/10#	

REF.NO. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R1185 1-216-071-00 R1186 1-216-131-11 R1187 1-216-071-00 R1188 1-216-131-11	METAL GLAZE METAL GLAZE METAL GLAZE	8.2K 2.7M	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1363	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R1188 1-216-131-11 R1189 1-216-071-00	METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W 1/10W		R1366 R1367	1-216-131-11 1-216-081-00 1-216-057-00	METAL GLAZE	2.7M 22K 2.2K	5% 5%	1/10W 1/10W 1/10W	
R1190 1-216-131-11 R1191 1-216-071-00 R1192 1-216-131-11 R1193 1-216-025-00	METAL GLAZE	2.7M 8.2K 2.7M 100 33K	5% 5% 5%	1/10W 1/10W 1/10W		R1369	1-216-051-00	METAL GLAZE	1.2K	5% 5%	1/10W 1/10W 1/10W	
DITUM 1_316_00E_00	MCTAI CLATE	100 33K	5% 5%	1/10W 1/10W		R1371 R1372 R1373	1-216-113-00 1-249-437-11 1-216-063-00	METAL GLAZE CARBON METAL GLAZE	470K 47K 3.9K	5% 5%	1/10W	
R1195 1-216-025-00 R1196 1-216-085-00 R1197 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 33K 100	5% 5% 5%	1/10W 1/10W 1/10W		R1374	1-216-101-00	METAL GLAZE METAL CHIP	150K 560	5% 0.50%	1/10W 1/10W	
R1304 1-216-689-11	METAL GLAZE	33K 39K	5% 5%	1/10W 1/10W		R1376 R1377 R1378	1-216-647-11 1-216-055-00 1-216-065-00	METAL CHIP METAL GLAZE METAL GLAZE	680 1.8K 4.7K	0.50% 5% 5%	1/10W 1/10W 1/10W	
R1306 1-216-645-11 R1307 1-216-091-00 R1308 1-216-645-11	METAL CHIP METAL GLAZE	560 56K	5% 0.50% 5%	1/10W 1/10W 1/10W		R1379	1-216-037-00	METAL CHIP	330 560	5% 0.50%	1/10W	
R1309 1-216-025-00 R1310 1-216-025-00	METAL GLAZE	100	5% 5%	1/10W 1/10W		R1383 R1384	1-216-681-11 1-216-681-11 1-216-091-00	METAL CHIP METAL CHIP METAL GLAZE	18K 56K	0.50% 0.50% 5%	1/10W 1/10W 1/10W	
R1311 1-216-089-91 R1312 1-216-027-00 R1313 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE	47K 120 100K	5% 5% 5%	1/10W 1/10W 1/10W		R1386	1-216-077-00	METAL GLAZE	15K	5% 0.50%	1/10W	
R1314 1-216-081-00 R1316 1-216-065-00	METAL GLAZE	22K 4.7K	5% 5%	1/10W 1/10W		R1388 R1389 R1390	1-216-689-11 1-216-657-11 1-216-647-11	METAL CHIP METAL CHIP METAL CHIP	39K 1.8K 680	0.50% 0.50% 0.50%	1/10W 1/10W 1/10W	
R1318 1-216-061-00 R1319 1-216-085-00 R1320 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 3.3K 33K	5% 5% 5%	1/10W 1/10W 1/10W		R1391 R1392	1-216-025-00 1-216-041-00	METAL GLAZE	100 470	5% 5%	1/10W 1/10W	
R1323 1-216-097-00 R1328 1-216-125-00	METAL GLAZE	100K	5% 5%	1/10W		R1393 R1394 R1395	1-216-063-00 1-216-041-00 1-216-071-00	METAL GLAZE METAL GLAZE METAL GLAZE	3.9K 470 8.2K	5% 5% 5%	1/10W 1/10W 1/10W	
R1195 1-216-025-00 R1196 1-216-085-00 R1197 1-216-025-00 R1198 1-216-085-00 R1304 1-216-689-11 R1305 1-216-033-00 R1306 1-216-645-11 R1307 1-216-091-00 R1308 1-216-645-11 R1309 1-216-025-00 R1310 1-216-025-00 R1311 1-216-089-91 R1312 1-216-087-00 R1313 1-216-081-00 R1314 1-216-081-00 R1317 1-216-041-00 R1318 1-216-085-00 R1319 1-216-085-00 R1320 1-216-085-00 R1321 1-216-085-00 R1322 1-216-065-00 R1323 1-216-065-00 R1324 1-216-065-00 R1325 1-216-065-00 R1326 1-216-065-00 R1327 1-216-081-00 R1328 1-216-081-00 R1331 1-216-081-00 R1331 1-216-081-00 R1331 1-216-081-00 R1331 1-216-081-00 R1333 1-216-081-00 R1334 1-216-081-00 R1335 1-216-081-00 R1336 1-216-081-00 R1337 1-216-081-00 R1338 1-216-081-00 R1339 1-216-081-00 R1331 1-216-081-00 R1333 1-216-049-00 R1334 1-216-063-00 R1335 1-249-401-11	METAL GLAZE METAL GLAZE METAL CHIP	180K 22K 15K	5% 5% 0.50%	1/10W 1/10W 1/10W		R1396 R1397 R1398	1-216-071-00 1-216-065-00 1-216-295-00	METAL GLAZE METAL GLAZE	8.2K 4.7K	5% 5%	1/10W 1/10W	
R1332 1-216-671-11 R1333 1-216-049-00	METAL CHIP METAL GLAZE	6.8K 1K	0.50%	1/10W 1/10W		R1399 R1401	1-216-073-00 1-216-085-00	METAL GLAZE METAL GLAZE	10K 33K	5% 5%	1/10W 1/10W 1/10W	
R1334 1-216-063-00 R1335 1-249-401-11 R1336 1-216-095-00	METAL GLAZE CARBON METAL GLAZE	3.9K 47 82K	5% 5% 5%	1/10W 1/4W 1/10W	F	R1402 R1403 R1404	1-216-295-00 1-216-651-11 1-216-681-11	METAL GLAZE METAL GLAZE METAL CHIP METAL CHIP METAL GLAZE METAL CHIP METAL GLAZE	0 1K 18K	5% 0.50% 0.50%	1/10W 1/10W 1/10W	
R1337 1-216-061-00 R1338 1-216-647-11 R1339 1-216-033-00	METAL GLAZE METAL CHIP METAL GLAZE	3.3K 680	5% 0.50%	1/10W 1/10W		R1405 R1406	1-216-071-00 1-216-653-11	METAL GLAZE METAL CHIP	8.2K 1.2K	5% 0.50%	1/10W 1/10W	
R1340 1-216-033-00 R1341 1-216-033-00	METAL GLAZE	220 220 220	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1407 R1408 R1409	1-216-061-00 1-216-113-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 470K 0	5% 5%	1/10W 1/10W	
R1342 1-216-083-00 R1343 1-216-037-00 R1344 1-216-093-00	METAL GLAZE METAL GLAZE	27K 330 68K	5% 5% 5% 5%	1/10W 1/10W 1/10W		R1413	1-216-081-00	METAL GLAZE METAL GLAZE	22K 2.2K	5%	1/10W 1/10W 1/10W	
R1345 1-216-109-00 R1346 1-216-097-00	METAL GLAZE METAL GLAZE	330K 100K	5% 5%	1/10W 1/10W		R1415 R1416 R1417	1-216-093-00 1-216-113-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	68K 470K 220	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R1347 1-216-073-00 R1348 1-216-071-00 R1349 1-216-035-00	METAL GLAZE METAL GLAZE	10K 8.2K 270	5% 5% 5% 5%	1/10W 1/10W 1/10W		R1418	1-216-033-00 1-216-025-00	METAL GLAZE METAL GLAZE	220	5%	1/10W 1/10W	
R1350 1-216-073-00 R1351 1-216-033-00 R1352 1-216-065-00	METAL GLAZE	10K 220		1/10W 1/10W		R1420 R1421 R1422 R1423	1-216-089-91 1-216-649-11 1-216-085-00	METAL GLAZE METAL CHIP METAL GLAZE	47K 820 33K	5% 5% 0.50% 5% 5%	1/10W 1/10W 1/10W	
RT352 1-216-065-00 R1353 1-216-065-00 R1354 1-216-089-91 R1355 1-216-033-00	METAL GLAZE METAL GLAZE	4.7K 4.7K 47K 220	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1424	1-216-057-00 1-216-081-00	METAL GLAZE	2.2K 22K		1/10W 1/10W	
R1356 1-216-105-00	METAL GLAZE METAL GLAZE	220K	5%	1/10W 1/10W		R1425 R1426 R1427 R1428	1-216-013-00 1-216-113-00 1-216-681-11 1-216-061-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE	33 470K 18K	5% 5% 5% 0.50%	1/10W 1/10W 1/10W	
R1357 1-216-101-00 R1359 1-216-099-00 R1360 1-216-065-00 R1361 1-216-113-00	METAL GLAZE METAL GLAZE	150K 120K 4.7K 470K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1429	1-216-668-11 1-216-073-00	METAL CHIP METAL GLAZE	3.3K 5.1K 10K	5% 0.50% 5%	1/10W 1/10W 1/10W	
										- 10	.,	

The components identified by shading and mark A are critical for safety.

Replace only with part number

specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R1432 R1434	1-216-129-00 1-216-089-91 1-216-295-00	METAL GLAZE	2.2M	5% 5%	1/106		R1498	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W 1/10W	
R1437	1-216-073-00 1-216-069-00 1-216-073-00	METAL GLAZE	0 10K 6.8K		1/10W 1/10W 1/10W		R1501 R1502 R1503	1-216-647-11 1-216-071-00 1-260-105-11 1-216-063-00	METAL GLAZE METAL CHIP METAL GLAZE CARBON METAL GLAZE	8.2K 3.3K 3.9K	0.50% 5% 5% 5%	1/10W 1/10W 1/2W 1/10W	
R1439 R1440 R1441	1-216-059-00 1-216-041-00 1-216-033-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W 1/10W 1/10W		R1504 R1505 R1506	1-216-686-11 1-247-688-11 1-216-037-00	METAL CHIP	30K	0.50% 5% 5% 5%	1/100	F
R1443 R1444 R1445 R1446 R1447	1-216-013-00 1-216-057-00 1-216-071-00 1-216-071-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE	33 2.2K 8.2K 8.2K 22K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R1508 R1510 R1511	1-216-689-11 1-216-077-00 1-216-360-11 1-216-647-11 1-247-752-11 1-247-711-11	METAL GLAZE METAL GLAZE METAL OXIDE METAL CHIP	39K 15K 8.2 680	5%	1/10W	F
R1448 R1449	1-216-085-00 1-216-057-00 1-216-129-00	METAL GLAZE METAL GLAZE	33K 2.2K 2.2M 68K 33K				R1513 R1514	1-247-752-11 1-247-711-11 1-216-350-11	CARBON CARBON METAL OXIDE	1K 680	5% 5%	1/2W 1/4W	F F
R 1451 R 1452	1-216-093-00 1-216-085-00 1-216-013-00	METAL GLAZE METAL GLAZE			1/10W 1/10W		R1518	1-215-867-00 1-216-355-11 1-216-007-00 1-216-029-00	METAL OXIDE METAL OXIDE METAL GLAZE	470 3.3 18 150	5% 5%	1W 1W 1/10W 1/10W	F
R 1454 R 1455	1-216-065-00 1-216-113-00 1-216-129-00 1-216-089-91	METAL GLAZE METAL GLAZE	33 4.7K 470K 2.2M 47K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		1 81040	1-216-427-00	CARBON METAL OXIDE METAL OXIDE			1/4W 1W 1W	7 7 7
R 1458 R 1459	1-216-085-00 1-216-133-00				1/10W 1/10W		R1525 R1526	1-216-083-00	METAL GLAZE METAL GLAZE	27K 47K	5% 5%	1/10W 1/10W	ē
R1461 R1462	1-216-097-00 1-216-645-11 1-216-645-11	METAL GLAZE METAL CHIP METAL CHIP	560 560	0.50% 0.50%	1/10W 1/10W 1/10W		R1528 R1529 R1530	1-215-869-11 1-202-829-11 1-216-115-00	METAL OXIDE SOLID METAL GLAZE	1K 8.2K 560K	5% 20% 5%	1W 1/2W 1/10W	F
K I 465	1-216-645-11 1-216-057-00 1-216-097-00 1-216-055-00 1-216-073-00	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 2.2K 100K 1.8K 10K	0.50% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R1531 R1532 R1533	1-247-697-11 1-216-059-00 1-249-414-11	CARBON METAL GLAZE CARBON METAL OXIDE SOLID METAL GLAZE CARBON METAL GLAZE CARBON	56 2.7K 560	5% 5%	1/4W 1/10W 1/4W	
R1468 R1469 R1470	1-249-438-11 1-216-057-00 1-216-057-00 1-216-049-00	CARBUN	56K	5%	1/4W		KTD3(1-249-389-11	CARBUN	4.(5% 5% 5%	1/4W 1/10W 1/10W	F
R1472 R1473	1-216-085-00	METAL GLAZE METAL GLAZE	33K 22K	5% 5%	1/10W 1/10W		R1540 R1541 R1542	1-216-105-00 1-216-081-00 1-216-111-00	METAL GLAZE METAL GLAZE METAL GLAZE	220K 22K 390K 120 680K	5% 5% 5%	1/10W 1/10W 1/10W	
R1474 R1475 R1476	1-216-687-11 1-216-677-11 1-216-063-00	METAL CHIP METAL CHIP METAL GLAZE	33K 12K 3.9K	0.50% 0.50% 5%	1/10W 1/10W 1/10W		R1543 R1544	1-216-027-00 1-216-117-00		120 680K		1/10W 1/10W 1/10W	
R1477 R1478 R1479 R1480	1-216-061-00 1-216-295-00 1-216-089-91	METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 0 47K	5% 5% 5%	1/10W 1/10W 1/10W		R1547 R1549 R1550 R1551	1-216-393-00 1-260-094-11 1-216-105-00 1-249-393-11	CARBON	150K 2.2 390 220K 10	55555	3W 1/2W 1/10W 1/4W	F
R 1481 R 1482 R 1483	1-216-089-91	METAL GLAZE	560K 47K 47K	5% 5%	1/10W 1/10W 1/10W	}	R1552 R1554 R1555	1-216-049-00 1-216-059-00 1-216-295-00	METAL GLAZE	1K 2.7K 0	5% 5% 5%	1/10W 1/10W 1/10W	
R 1484 R 1485 R 1486	1-216-081-00 1-216-113-00 1-216-121-00	METAL GLAZE METAL GLAZE METAL GLAZE	22K 470K 1M	5% 5% 5%	1/10W 1/10W 1/10W		R1556 R1557	1-216-071-00 1-218-760-11	METAL CHIP	8.2K 220K	5% 0.50%	1/10W 1/10W	
R 1487 R 1488 R 1489 R 1490	1-216-083-00 1-216-069-00	METAL GLAZE	470K 27K 6.8K 270	5% 5% 5%	1/10% 1/10% 1/10% 1/10%	ļ	R1558 R1559 R1560 R1561 R1562	1-249-393-11 1-249-393-11 1-216-049-00 1-216-681-11 1-214-964-00	CARBON METAL GLAZE METAL CHIP	10 10 1K 18K 1M	5% 5% 0.50% 1%	1/4W 1/4W 1/10W 1/10W 1/4W	
R 1491 R 1492 R 1493	1-216-035-00 1-216-035-00	METAL GLAZE METAL GLAZE	270 270 27K	5% 5%	1/10W 1/10W 1/10W	l I	R1563 R1564 R1567	1-214-964-00 1-216-681-11 1-216-089-91	METAL CHIP	1M 18K 47K	1% 0.50%	1/4W 1/10W 1/10W	
R 1494 R 1495 R 1497	1-216-081-00 1-216-089-91	METAL GLAZE	22K 47K 470K	5% 5% 5% 5%	1/100 1/100 1/100 1/100	d d	R1574 R1575	1-216-041-00 1-216-025-00	METAL GLAZE METAL GLAZE	470 100	5% 5%	1/10W 1/10W)
	components ide	. —					R1576 R1577	1-216-025-00 1-216-025-00		100 100	5% 5%	· 1/10W	

The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
 Should replacement be required, replace only with the value originally used.

REF.NO. PART NO. DESC	CRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R1578 1-216-065-00 METAI R1579 1-216-689-11 METAI R2300 1-216-065-00 METAI R2301 1-216-065-00 METAI R2306 1-216-089-91 METAI	GLAZE 4.7K 5% GLAZE 39K 5% GLAZE 4.7K 5% GLAZE 4.7K 5% GLAZE 47K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R2383 R2384 R2389 R2390	1-216-033-00 1-216-689-11 1-216-033-00 1-216-647-11	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE METAL CHIP METAL GLAZE	220 5% 39K 5% 220 5% 680 0.50	1/10W 1/10W 1/10W 2 1/10W 3 1/10W	
R2307 1-216-033-00 METAL R2308 1-216-103-91 METAL R2309 1-216-049-00 METAL R2311 1-216-073-00 METAL R2312 1-216-053-00 METAL	GLAZE 220 5% GLAZE 180K 5% GLAZE 1K 5% GLAZE 10K 5% GLAZE 1.5K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R2394 R2394 R2396 R2397 R2398	1-216-647-11 1-216-081-00 1-216-041-00 1-216-113-00 1-216-109-00	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	680 0.50 22K 5% 470 5% 470K 5% 330K 5%	1/10W 1/10W 1/10W 1/10W	
R2316 1-216-081-00 METAL R2317 1-216-049-00 METAL R2320 1-216-677-11 METAL R2323 1-216-683-11 METAL	CHIP 15K 0.5 GLAZE 22K 5% GLAZE 1K 5% CHIP 12K 0.5 CHIP 22K 0.5	50% 1/10W 1/10W 1/10W 50% 1/10W 50% 1/10W		R2501 R2501 R2502 R2551 R2552	1-216-073-00 1-216-083-00 1-216-077-00 1-216-091-00 1-216-085-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 27K 5% 15K 5% 56K 5% 33K 5% 27K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R2326 1-216-041-00 METAL R2327 1-216-059-00 METAL R2328 1-216-049-00 METAL R2329 1-216-059-00 METAL	GLAZE 3.9K 5% GLAZE 470 5% GLAZE 2.7K 5% GLAZE 1K 5% GLAZE 2.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R2555 R2556 R2557 R2558 R2558	1-216-055-00 1-216-055-00 1-216-051-00 1-216-057-00 1-216-039-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.2K 5% 1.2K 5% 5.6K 5% 2.2K 5% 390 5% 6.8K 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	
R2330 1-216-049-00 METAL R2331 1-216-059-00 METAL R2332 1-216-049-00 METAL R2334 1-216-041-00 METAL R2335 1-216-061-00 METAL	GLAZE 1K 5% GLAZE 2.7K 5% GLAZE 1K 5% GLAZE 470 5% GLAZE 3.3K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R2560 R2561 R2562 R2563	1-216-069-00 1-216-001-00 1-216-001-00 1-216-057-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10 5% 10 5% 2.2K 5%	1/10W 1/10W 1/10W 1/10W	
R2336 1-216-065-00 METAL R2337 1-216-037-00 METAL R2338 1-216-073-00 METAL R2339 1-216-037-00 METAL R2341 1-216-037-00 METAL	GLAZE 4.7K 5% GLAZE 330 5% GLAZE 10K 5% GLAZE 330 5% GLAZE 330 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R3302 R3303 R3304 R3308 R3310	1-216-065-00 1-216-065-00 1-216-065-00 1-216-097-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 4.7K 5% 4.7K 5% 4.7K 5% 100K 5% 1K 5% 56K 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	
R2348 1-216-061-00 METAL	GLAZE 8.2K 5% GLAZE 1M 5% GLAZE 3.3K 5% GLAZE 3.3K 5% GLAZE 3.3K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R3311 R3312 R3314 R3315 R3316	1-216-091-00 1-216-105-00 1-216-295-00 1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	56K 5% 220K 5% 0 5% 4.7K 5% 4.7K 5% 180K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R2350 1-216-061-00 METAL R2351 1-216-061-00 METAL R2352 1-216-061-00 METAL R2353 1-216-041-00 METAL	. CHIP 15K 0.5 GLAZE 3.3K 5% GLAZE 3.3K 5% GLAZE 3.3K 5% GLAZE 470 5%	50% 1/10W 1/10W 1/10W 1/10W 1/10W		R3317 R3318 R3319 R3321 R3322	1-216-103-91 1-216-065-00 1-216-027-00 1-216-677-11 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	180K 5% 4.7K 5% 120 5% 12K 0.50	1/10W 1/10W 1/10W 1/10W 1/10W	
R2354 1-216-681-11 METAI R2356 1-216-089-91 METAI R2357 1-216-095-00 METAI R2358 1-216-025-00 METAI	- GLAZE 100 5% - CHIP 18K 0.5 - GLAZE 47K 5% - GLAZE 82K 5% - GLAZE 100 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R3333 R3337 R3338 R3341 R3346	1-216-113-00 1-216-099-00 1-218-759-11 1-216-083-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE	10K 5% 470K 5% 120K 5% 200K 0.50 27K 5% 100 5%	1/10W 1/10W 1/10W	
R2360 1-216-689-11 METAL R2362 1-216-081-00 METAL R2364 1-216-025-00 METAL R2366 1-216-067-00 METAL	GLAZE 5.6K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R3347 R3348 R3349 R3350 R3351	1-216-025-00 1-216-025-00 1-216-025-00 1-216-113-00 1-216-119-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 5% 100 5% 100 5% 470K 5% 820K 5% 22K 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	
R2369 1-216-083-00 METAL R2370 1-216-081-00 METAL R2371 1-216-049-00 METAL R2372 1-216-113-00 METAL	E GLAZE 68K 5% GLAZE 27K 5% GLAZE 22K 5% GLAZE 1K 5% GLAZE 470K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R3365 R3376 R3377 R3378 R3390	1-216-081-00 1-216-081-00 1-216-107-00 1-216-115-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 5% 22K 5% 270K 5% 560K 5% 2.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	
R2375 1-216-089-91 METAI R2376 1-216-089-91 METAI R2377 1-216-033-00 METAI R2378 1-216-089-91 METAI	GLAZE 100K 5% GLAZE 47K 5% GLAZE 47K 5% GLAZE 220 5% GLAZE 47K 5%			R3394 R3395 R3396 R3397 R3398	1-216-089-91 1-249-417-11 1-216-041-00 1-216-041-00 1-216-101-00	METAL GLAZE CARBON METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47K 5% 1K 5% 470 5% 470 5% 150K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R2380 1-216-089-91 META R2381 1-216-089-91 META	L GLAZE 220 5% L GLAZE 47K 5% L GLAZE 47K 5% L GLAZE 47K 5%	1/10W 1/10W 1/10W 1/10W		R4401 R4402	1-216-085-00 1-216-113-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	33K 5% 470K 5% 10K 5%	1/10W 1/10W 1/10W	

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REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R4407 1-216-061-0 R4408 1-216-059-0	OC METAL GLAZE OC METAL GLAZE OC METAL GLAZE OC METAL GLAZE OC METAL GLAZE	5.6K 5% 3.3K 5% 2.7K 5% 2.7K 5% 2.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C628 C629 C630 C631 C632	1-136-067-00 1-124-887-00 1-102-973-00 1-161-973-00 1-162-599-12	CERAMIC CERAMIC CERAMIC	0.0036MF 0.001MF 100PF 220PF 0.0047MF	3% 10% 5% 10% 20%	2KV 3KV 50V 400V 400V
R4413 1-216-295-0 R4415 1-216-295-0 R4416 1-216-295-0	OO METAL GLAZE DO METAL GLAZE DO METAL GLAZE DO METAL GLAZE	470K 5% 470K 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C635 C636 C637	1-162-599-12 1-102-125-00 1-124-903-11 1-126-801-11 1-102-030-00	CERAMIC ELECT ELECT	0.0047MF 0.0047MF 1MF 1MF 330PF	20% 10% 20% 20% 10%	400V 50V 50V 50V 500V
RV501 1-223-102-0	VARIABLE RESISTOR	>			C638 C639 C640	1-102-030-00 1-104-783-51 1-128-386-11	ELECT	330PF 1000MF 1000MF	10% 20% 20%	500V 25V 25V
RV501 1-223-102-	OO RES, ADJ, WIR	EWOUND 120			C641 C642	1-106-343-00 1-102-030-00	MYLAR	0.001MF 330PF	10%	100V 500V
7500 1-426-668- 7501	TRANSFORMER> 11 TRANSFORMER, 11 TRANSFORMER A	FERRITE (HDT SSY, FLYBACK	;) :		C643 C644 C645 C646	1-104-884-11 1-102-030-00 1-162-131-11 1-102-973-00 1-126-385-11	CERAMIC CERAMIC CERAMIC	470MF 330PF 220PF 100PF 390MF	20% 10% 10% 5% 20%	50V 500V 2KV 50V 16V
**************************************	THERMISTOR>				C648 C649 C650 C651 C652	1-125-494-11 1-126-803-11 1-126-103-11 1-126-101-11 1-124-667-11	ELECT ELECT ELECT ELECT	560MF 47MF 470MF 100MF 10MF	20% 20% 20% 20% 20%	160 V 16 V 16 V 16 V 50 V
X101 1-579-175- X301 1-527-722-	11 VIBRATOR, CEI 00 OSCILLATOR,	RAMIC CRYSTAL			C653 C654 C655 C656 C657	1-136-169-00 1-161-953-71 1-161-953-71 1-161-953-71 1-102-965-00 1-161-953-71	CERAMIC	0.22MF 0.0047MF 0.0047MF 0.0047MF 39PF 0.0047MF	5% 20% 20% 20% 20%	50V 400V 400V 400V 50V 400V
*A-1316-174	I-A G BOARD, COM	PLETE *****				1-102-123-00 1-124-791-11 1-130-467-00			10%	50 V 10 O V
1-533-189- 4-363-414- 4-382-854-	-00 SPACER, MICA), P, SW (+)			C661			470PF	5%	50V
	<capacitor></capacitor>				CN601	1-691-960-11	INECTOR> PIN, CONNEC	TOR (PC BOAR	D) 3P	
C601 A 1-161-953 C602 A 1-161-953 C603 A 1-161-953 C604 A 1-161-953	-71 CERAMIC -71 CERAMIC	0.0047MF 0.0047MF 0.0047MF 0.0047MF	20% 20% 20% 20%	400V 400V 400V 400V	CN602 CN603 CN605	*1-695-561-11 1-508-765-00 *1-573-964-11 *1-564-508-11	PIN, CONNEC PIN, CONNEC PIN, CONNEC	TOR (PC BOAF TOR (5MM PIT TOR (PC BOAF	D) 7P CH) 3P	
C604 A 1-161-953 C605 A 1-104-706		0.22MF	20%	250V 50V	CN609	*1-506-371-00	PIN, CONNEC	TOR 2P		
C606 1-124-907 C607 1-124-798 C608 1-129-765 C609 1-124-126	-11 ELECT -00 FILM -00 ELECT	1MF	20%	160V 200V 10V 50V	D601 D602	<dii< p=""> & 8-719-510-53 8-719-300-33</dii<>	DDE> DIODE D4SB6 DIODE RU-3A			
C610 1-124-902 C611 1-130-729 C612 1-107-722	-00 FILM -11 ELECT	0.0027MF 470MF	5% 20% 20%	50V 400V	D603 D604 D605	8-719-110-90 8-719-110-90 8-719-109-97	DIODE RD39E DIODE RD39E	SB4 SB4		
C613 ▲ 1-104-706 C614 1-102-978 C615 ▲ 1-104-706	-00 CERAMIC	0.22MF 220PF 0.22MF	5% 20%	250V 50V 250V	D606 D607 D608	8-719-118-34 8-719-110-41 8-719-300-33	DIODE RD15E	SB2		
C616 1-162-318 C618 1-124-907 C619 1-162-116	-11 ELECT -00 CERAMIC	0.001MF 10MF 680PF	10% 20% 10%	500V 50V 2KV	D610 D611	8-719-200-02 8-719-300-33	DIODE 10E-2 DIODE RU-3A	M		
C620 1-162-116 C621 1-136-153	-00 FILM	680PF 0.01MF	10% 5%	2KV 50V	D615 D616 D617	8-719-300-33 8-719-911-19 8-719-911-19	DIODE 18811 DIODE 18811	9		
C622 1-126-773 C623 1-162-318 C624 1-124-477 C625 1-161-973	B-11 CERAMIC 7-11 ELECT	47MF 0.001MF 47MF 220PF	20% 10% 20% 10%	250V 500V 16V 400V	D618 D619 D620	8-719-908-03 8-719-110-41 8-719-045-48	DIODE RD158 DIODE FML-C	SB2 112S		
C627 1-136-066	5-00 FILM	0.003MF	3%	2KV	D621 D622 D623	8-719-911-19 8-719-979-58 8-719-045-48	DIODE 18811 DIODE EGP10	19)D		



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	REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
	D625 8-719-016-42 D626 8-719-109-71	DIODE RD3.9ESB1			R619 R620	1-216-444-11 1-216-444-11	METAL OXIDE	82K 82K	5% 5%	1 W 1 W	F F
	D628 8-719-979-50 D629 8-719-979-85 D630 8-719-911-19	DIODE EGP20G			R621 R622	1-249-427-11 1-217-190-21	WIREWOUND	6.8K 0.15	10%	1/4W 2W	F
	D631 8-719-911-19	DIODE 188119			R623 R624 R625	1-249-393-11 1-247-887-00 1-247-887-00	CARBON	10 220K 220K	5% 5% 5%	1/4W 1/4W 1/4W	
	<fer< td=""><td>RITE BEAD></td><td></td><td></td><td></td><td>1-249-436-11 1-249-429-11</td><td>CARBON</td><td></td><td></td><td>1/4W 1/4W</td><td></td></fer<>	RITE BEAD>				1-249-436-11 1-249-429-11	CARBON			1/4W 1/4W	
	FB601A 1-543-190-11 FB602A 1-543-190-11 FB603 1-410-396-41	RITE BEAD> BEAD, FERRITE BEAD, FERRITE FERRITE BEAD INDUCTO READ FERRITE	D O ASIIN		R628 R629 R630	1-214-777-00 1-247-891-00 1-249-424-11	METAL CARBON	39K 10K 100K 330K 3.9K	1% 5% 5%	1/4W 1/4W 1/4W	
	FB604A 1-543-190-11 FB605A 1-543-190-11		W 0.470W		R631 R632	1-249-429-11 1-247-885-00	CARBON			1/4W 1/4W	
	<10>				B633	1-249-412-11 1-211-867-11 1-249-441-11	CARBON WIREWOUND	10K 180K 390 180 100K	5% 5%	1/4W 10W 1/4W	
	I C601 8-759-100-75 I C602 8-759-255-41	IC MM1108XS				1-247-753-11	CARBON			1/2W	P P
	1C603 8-759-927-49 1C604 8-759-924-12	IC LM7805CT			R638 R641	1-216-491-11 1-216-491-11 1-211-868-11	METAL OXIDE WIREWOUND	1.2K 56K 56K 2.2K 100	5%	3W 10W	F
	<01		_		R642 R643	1-247-807-31 1-249-423-11 1-249-417-11	CARBON CARBON			1/4W	
	L603 1-410-645-31 L604 1-407-365-00 L605 1-410-645-31	INDUCTOR 1000H COIL, CHOKE INDUCTOR 1000H	1		R644 R645 R646 R647	1-218-265-11 1-249-417-11	METAL GLAZE CARBON	3.3K 1K 8.2M 1K 68K	5% 5% 5%	1/4W 1W 1/4W	
						1-260-121-11	CARBON CARBON CARBON		5%	1/2W 1/4W	F
	PH602 8-749-923-50 PH606 8-749-923-50	OTO COUPLER> PHOTO COUPLER PC111' PHOTO COUPLER PC111'	YS YS		R649 R650 R652	1-260-097-11 1-249-422-11 1-247-895-00	CARBON	680 2.7K 470K 120K 15K	5% 5% 5%	1/2W 1/4W 1/4W	
	<tr.< td=""><td>ANSISTOR></td><td></td><td></td><td>R653 R654</td><td>1-260-124-11</td><td>CARBON</td><td>120K 15K</td><td></td><td>1/2W 3W</td><td>F</td></tr.<>	ANSISTOR>			R653 R654	1-260-124-11	CARBON	120K 15K		1/2W 3W	F
	Q6 01 8-729-119-78 Q6 02 8-729-119-80	TRANSISTOR 2SC2785-	HFE		R655 R656	1-249-440-11 1-247-883-00 1-249-443-11		82K 150K 0.47	5% 5% 5% 1%	1/4W 1/4W 1/4W	F
	Q603 8-729-119-80 Q605 8-729-119-80 Q606 8-729-802-14	TRANSISTOR 2SC2688- TRANSISTOR 2SC2688- TRANSISTOR 2SC3460	LK LK		R660 R661	1-215-427-00 1-215-412-00	METAL	1.8K 430	1%	1/4W 1/4W	
	Q607 8-729-140-96 Q609 8-729-905-67	TRANSISTOR 2SC2785- TRANSISTOR 2SC2688- TRANSISTOR 2SC2688- TRANSISTOR 2SC2688- TRANSISTOR 2SC3460 TRANSISTOR 2SC3460 TRANSISTOR 2SD1944- TRANSISTOR 2SC2551- TRANSISTOR 2SA1091-	4		R662 R663	1-260-123-11 1-260-089-11 1-216-390-71	CARBON CARBON	100K 150 1.2 1.2 0.82	5% 5% 5%	1/2W 1/2W 3W	F
	Q610 8-729-209-03 Q611 8-729-200-17	TRANSISTOR 2SC2551- TRANSISTOR 2SA1091-	RO O		R665 R666	1-216-390-71 1-216-368-11	METAL OXIDE METAL OXIDE	1.2 0.82	5% 5%	3₩ 2₩	F
		SISTOR>			R667	1-205-943-11 1-215-415-00	METAL	1 560	1%	20W 1/4W 1/4W	
	R601 A 1-260-123-91 R602 A 1-260-123-91	CARBON 100K	5% 1/2W 5% 1/2W		R670 R671 R672	1-249-435-11 1-249-429-11 1-215-469-00	CARBON	33K 10K 100K	5% 5% 1%	1/4W 1/4W	
	R603 1-249-427-11 R604 <u>A</u> 1-214-937-55 R605 1-249-434-11	METAL 1M	5% 1/2W 5% 1/2W 5% 1/4W 1% 1/2W 5% 1/4W		R673 R674	1-249-437-11 1-247-889-00	CARBON	47K 270K	5% 5%	1/4W 1/4W	
	R606 1-260-111-11 R607 1-205-943-11	WIREWOUND 1	5% 1/2W 5% 20W		R675 R676 R677	1-249-429-11 1-247-883-00 1-260-120-11	CARBON	10K 150K 56K	5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/4W 1/4W 1/2W	
	R608 1-260-127-11 R609 1-215-922-11 R610 1-215-922-11	METAL OXIDE 6.8K	5% 1/2W 5% 20W 5% 1/2W 5% 3W 5% 3W	F	R678 *R690	1-249-436-11 1-214-721-00	METAL	39K 470	5% 1% 1%	1/4W 1/4W	
	R611 1-215-457-00 R612 1-202-719-00	METAL 33K SOLID 1M	1% 1/4W 20% 1/2W		*R690 *R690 *R690	1-215-414-00 1-214-723-00 1-214-127-00	METAL METAL	510 560 620	1% 1% 1%	1/4W 1/4W 1/4W	
	R613 1-202-720-00 R614 1-249-423-11 R615 1-260-322-11	SOLID 1.2M CARBON 3.3K	20% 1/2W 5% 1/4W 5% 1/2W		*R690 *R690	1-214-725-00 1-215-418-00	METAL	680 750		1/4W 1/4W	
	R616 1-247-710-11 R617 1-214-716-00	CARBON 560	5% 1/4W	F	*R690 *R690 *R690	1-214-727-00 1-214-728-11 1-214-729-00	METAL METAL	820 910 1K	1% 1% 1% 1% 1%	1/4W 1/4W 1/4W	
	R618 1-249-496-1			F	*R690	1-214-730-00			1%	1/4W	

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*R690 1-214-731-00 *R690 1-214-732-00 *R690 1-214-733-00 *R690 1-215-426-00 *R690 1-214-735-00	METAL METAL METAL	1.2K 1% 1.3K 1% 1.5K 1% 1.6K 1% 1.8K 1%	1/4W 1/4W 1/4W 1/4W 1/4W		CN701 CN702	<con *1-564-511-51 *1-573-964-11</con 	NECTOR> PLUG, CONNE	CTOR 8P FOR (PC BOARD)	6P
*R690 1-214-739-00 *R690 1-214-741-00	METAL METAL	2K 1% 2.2K 1% 2.7K 1% 3.3K 1% 3.9K 1%	1/4W 1/4W 1/4W 1/4W 1/4W		CN703	*1-691-134-11 <dio< td=""><td>PIN, CONNEC DE></td><td>FOR (PC BOARD)</td><td>2P</td></dio<>	PIN, CONNEC DE>	FOR (PC BOARD)	2P
*R690 1-214-745-00 *R690 1-214-747-00 *R690 1-214-749-00	METAL	4.7K 1% 5.6K 1% 6.8K 1%	1/4W 1/4W 1/4W		D701 D702 D703 D704 D705	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE ISSII DIODE ISSII DIODE ISSII	9 9 9	
<var< td=""><td>IABLE RESISTOR</td><td>></td><td></td><td></td><td>D706</td><td>8-719-911-19</td><td>DIODE 18811</td><td>9</td><td></td></var<>	IABLE RESISTOR	>			D706	8-719-911-19	DIODE 18811	9	
RV601 1-241-759-21	RES, ADJ, CAR	BON 220			D707 D708 D709 D713	8-719-901-83 8-719-901-83 8-719-901-83 8-719-901-83	DIODE 1SS83 DIODE 1SS83		
<rel< td=""><td>AY></td><td></td><td></td><td></td><td>D715</td><td>8-719-901-83</td><td></td><td></td><td></td></rel<>	AY>				D715	8-719-901-83			
RY601& 1-515-601-11	RELAY				D716 D717	8-719-901-83 8-719-901-83	DIODE 1883		
<tra< td=""><td>INSFOMER></td><td></td><td></td><td></td><td>İ</td><td><jac< td=""><td>K></td><td></td><td></td></jac<></td></tra<>	INSFOMER>				İ	<jac< td=""><td>K></td><td></td><td></td></jac<>	K>		
T601 A 1-426-716-11 T602 A 1-426-716-11	TRANSFORMER, TRANSFORMER.	LINE FILTER LINE FILTER	(LFT)		J701	A 1-526-819-11	SOCKET, PIC	TURE TUBE	
T603 1-437-090-00 T604 1-426-665-11	HDT				<coil></coil>				
< THE	ERMISTOR>					1-410-667-31		22UH	
TH601 1-807-973-11	THERMISTOR			•	L705	1-412-532-11	INDUCTOR	39UH	
TH602 1-807-973-11 THP601A1-808-059-32		OSITIVE			1	<tr#< td=""><td>NSISTOR></td><td></td><td></td></tr#<>	NSISTOR>		
	C BOARD, COMP	LETE	******	********	Q701 Q702 Q703 Q704 Q705	8-729-119-78 8-729-119-78 8-729-119-78 8-729-200-17 8-729-200-17	TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785-HFE 2SC2785-HFE 2SA1091-0	
*4-374-912-01 *4-374-913-01	COVER (MAIN), COVER (REAR L	.ID), CV VOL			0706	8-729-200-17	TRANSISTOR	2SA1091-0	
	PACITOR>	560PF	10%	500V	Q707 Q708 Q709 Q710	8-729-326-11 8-729-326-11 8-729-326-11 8-729-200-17	TRANSISTOR TRANSISTOR	2SC2611 2SC2611	
C701 1-102-157-00 C702 1-102-157-00 C703 1-102-157-00 C704 1-102-121-00 C705 1-126-101-11	CERAMIC CERAMIC CERAMIC	560PF	10% 10% 10% 20%	500V 500V 500V 50V 16V	Q711 Q712 Q713 Q714 Q715	8-729-200-17 8-729-200-17 8-729-255-12 8-729-255-12 8-729-119-78	TRANSISTOR TRANSISTOR	2SA1091-0 2SC2551-0	
C706 1-102-074-00 C707 1-162-116-00 C708 1-136-601-11 C710 1-101-880-00 C711 1-101-880-00	CERAMIC FILM CERAMIC	0.001MF 680PF 0.01MF 47PF 47PF	10% 10% 5% 5% 5%	50V 2KV 630V 50V 50V	Q716 Q717	8-729-119-78 8-729-119-78	TRANSISTOR TRANSISTOR	2SC2785-HFE	
		47PF		50V		<re:< td=""><td>SISTOR></td><td></td><td></td></re:<>	SISTOR>		
C712 1-101-880-00 C713 1-123-946-00 C714 1-102-976-00 C715 1-102-976-00 C716 1-102-976-00	ELECT CERAMIC CERAMIC	4.7MF 180PF 180PF 180PF	5% 20% 5% 5% 5%	250V 50V 50V 50V	R702 R704 R705 R706 R707	1-247-903-00 1-215-405-00 1-215-405-00 1-215-405-00 1-249-431-11	METAL METAL	1M 5% 220 1% 220 1% 220 1% 15K 5%	1/4W 1/4W 1/4W 1/4W 1/4W
C717 1-106-399-00 C718 1-106-399-00 C720 1-108-700-11 C734 1-102-973-00 C735 1-102-816-00	MYLAR MYLAR CERAMIC	0.22MF 0.22MF 0.047MF 100PF 120PF	10% 10% 10% 5% 5%	200V 200V 200V 50V 50V	R708 R709 R710 R711	1-249-431-11 1-249-431-11 1-215-391-00 1-215-394-00	CARBON CARBON METAL METAL	15K 5% 15K 5% 56 1% 75 1%	1/4W 1/4W 1/4W 1/4W
C736 1-102-816-00	CERAMIC	120PF	5%	50V	R712	1-215-392-00	METAL	62 1%	1/4W



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Replace only with part number specified.

REF.NO. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R717 1-202-818-00 R718 1-216-486-71 R719 1-202-818-00	METAL OXIDE SOLID METAL OXIDE SOLID	8.2K 1K 8.2K 1K	57 3 207 1 57 3 207 1	L/2₩	F F	R2138	1-249-414-11 1-249-414-11 1-249-414-11	CARBON	560 560 560	5% 1/4W (PVM-1351Q/ 5% 1/4W (PVM-1351Q/ 5% 1/4W	
R722 1-202-883-11 R723 1-202-838-00	SOLID SOLID SOLID	680K 100K 220K	20% 1 20% 1 20% 1	1/2₩ 1/2₩ 1/2₩ 1/2₩		R2141 R2142	1-249-414-11 1-249-414-11 1-249-414-11	CARBON CARBON	560 560	5% 1/4W 5% 1/4W (PVM-1351Q/ 5% 1/4W 5% 1/4W	′1354Q)
R733 1-249-409-11	CARBON CARBON CARBON	220 220 220	5% 1 5% 1 5% 1	1/4W 1/4W 1/4W 1/4W 1/4W		R2144 R2145 R2147		CARBON CARBON METAL	560 560 1.8K	5% 1/4W 5% 1/4W 1% 1/4W (PVM-1351Q/	(1354Q)
R736 1-249-409-11 R737 1-247-807-31 R738 1-247-807-31 R739 1-247-807-31 R740 1-249-429-11	CARBON CARBON	220 100 100 100 100	5% 1 5% 1	1/4W 1/4W 1/4W 1/4W 1/4W		R2149	1-215-419-00 1-215-414-00 1-215-409-00	METAL	820 510 330	1% 1/4W (PVM-1351Q/ 1% 1/4W (PVM-1351Q/ 1% 1/4W	
R741 1-249-429-11 R742 1-249-429-11 R744 1-249-429-11 R745 1-249-429-11	CARBON CARBON CARBON CARBON		5% 5%	1/4W 1/4W 1/4W 1/4W	F	R2151 R2152 R2153	1-215-407-00 1-215-404-00 1-215-401-11	METAL METAL	270 200 150 120	1% 1/4W 1% 1/4W	
R746 1-215-879-11 R747 1-247-725-11 R748 1-247-713-11	METAL OXIDE CARBON CARBON	10K 1K	5%	1W 1/4W 1/4W	F	R2155 R2156 R2157	1-215-399-00 1-215-397-00 1-215-421-00 1-215-416-00	METAL METAL METAL	100 1K 620	1% 1/4W 1% 1/4W 1% 1/4W	
R749 1-215-902-71 R750 1-249-400-11 R751 1-247-887-00 R752 1-247-887-00	METAL OXIDE CARBON CARBON	47K 39 220K 220K	5% 5%	2W 1/4W 1/4W 1/4W	F		1-215-410-00 1-215-405-00 1-215-421-00	METAL	360 220 1K	17 1/4W 17 1/4W 17 1/4W	
R753 1-247-887-00		220K 220K		1/4W		PUDIOI		HABLE RESISTOR		AV.	
<pre><variable resistor=""> RV707 1-230-641-11 RES, ADJ, METAL GLAZE 2.2M RV708_\(\text{A} 1-230-798-21 \) RES, ADJ, METAL GLAZE 90M RV709 1-230-641-11 RES, ADJ, METAL GLAZE 2.2M</variable></pre>					RV2101 RV2105 RV2109 RV2113	1-241-845-11 1-241-845-11 1-241-845-11 1-241-845-11	RES. VAR. CA RES. VAR. CA RES. VAR. CA RES. VAR. CA	RBON 20 RBON 20 RBON 20 RBON 20 RBON 20	OK OK OK OK		
							1-241-846-11	RES, VAR, CA	RBON 20)K	
*A-1371-971-A H BOARD, COMPLETE (PVM-1351Q/1354Q) ************************************								TCH>			
	*A-1371-972-A H BOARD, COMPLETE (PVM-1350) *********** *4-348-208-00 HOLDER, LED						1-570-101-41 1-570-101-41 1-570-101-41 1-570-101-41 1-570-101-41	SWITCH, KEY SWITCH, KEY	BOARD BOARD	(PVM-1351Q/135	4Q)
<001	NECTOR>					S2106	1-570-969-11	SWITCH, KEY	BOARD		
CN105 *1-564-527-11 CN106 *1-564-526-11						\$2108 \$2109	1-570-969-11 1-570-101-41 1-570-101-41 1-570-101-41	SWITCH, KEY SWITCH, KEY	BOARD BOARD	(PVM-1351Q/135	40)
	<diode></diode>					S2112	1-570-101-41 1-570-101-41	SWITCH, KEY	BOARD	(PVM-1351Q/135 (PVM-1351Q/135	4Q) 4Q)
D2102 8-719-920-05 DIODE SLP281C-50 D2103 8-719-812-32 DIODE TLY123 (PVM-1351Q/1354Q)						S2114	1-570-969-11 1-570-969-11	SWITCH, KEY	BOARD		
<resistor></resistor>					*****	*A-1388-166-A			*********	*****	
R2101 1-249-419-11 R2102 1-249-416-11		1.5K 820	5%	1/4W 1/4W	10 /135/01		100 100 11	*******			
R2107 1-249-430-11 R2136 1-249-414-11		12K 560	5% 5%	1/4W 1/4W			<00 *1-695-561-11	NNECTOR>	OR (PC	BOARD) 7P	
			,. ,,			,	501 11	,	(. 0		

PVM-1350/1351Q/1354Q

SONY. SERVICE MANUAL

US Model Canadian Model

PVM-1350

Serial No. 2,003,651 and Higher Chassis No. SCC-G61D-A

PVM-1351Q

Serial No. 2,004,051 and Higher

Chassis No. SCC-G61C-A

PVM-1354Q

Serial No. 2,006,601 and Higher

Chassis No. SCC-G61B-A

SUPPLEMENT-1

File this supplement with the service manual.

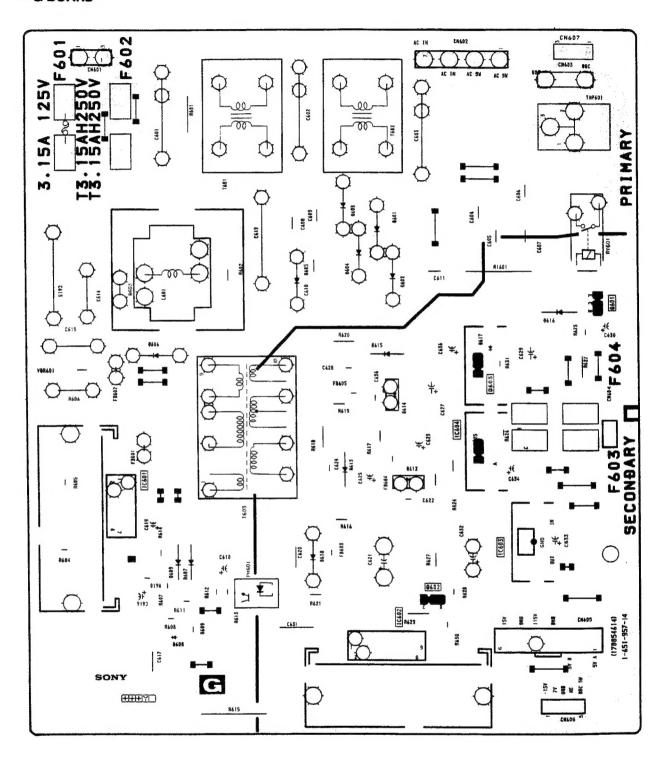
INTRODUCTION

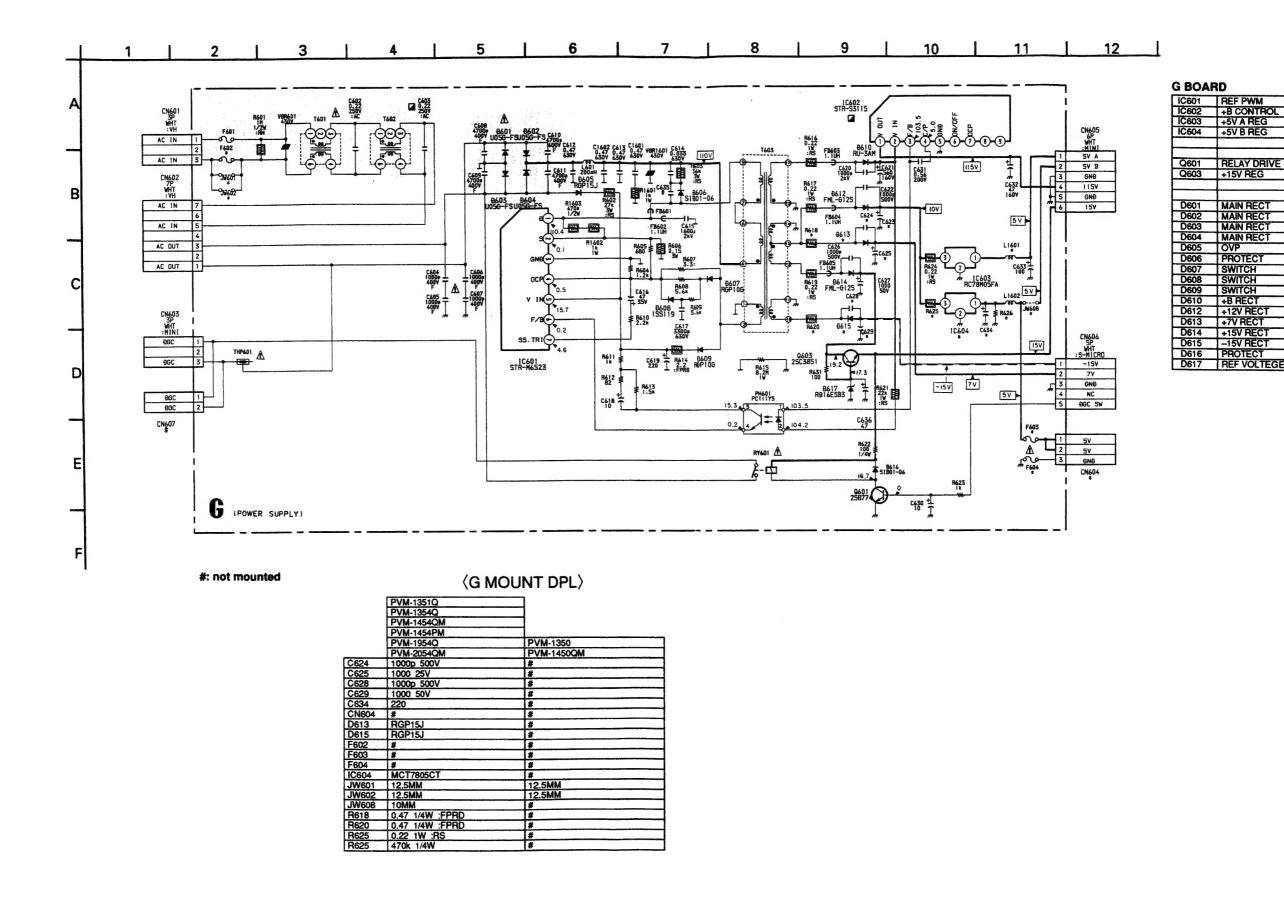
Set, having CE mark (Safety mark), have been applied to the above Serial No. and changed G Block.

New G Block shows on next pages.



- G BOARD -

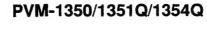




The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Ne les remplacer que par une piece portant le numero specifie.

Control Control Control Les composants identifies par une trame et une marque A sont critiques pour la securite.



G



The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque 🐧 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
* A-1316-213-A	* A-1316-213-A G BOARD, COMPLETE (PVM-1351Q) ***********************************			D606 D607 D608 D609 D610	8-719-300-33 8-719-911-19	DIODE RU-3AM DIODE RU-3AM DIODE 1SS119-25 DIODE RU-3AM DIODE RU-3AM		
* A-1316-214-A	G BOARD, COM	(PVM-2 PLETE (PVM-1	2054QM) 350)		D612 D613 D614 D615 D616	8-719-971-65 8-719-045-48 8-719-971-65	DIODE FML-G12S DIODE RGP15J-6040 DIODE FML-G12S DIODE RGP15J-6040 DIODE RU-3AM	
<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>D617</td><td>8-719-110-46</td><td>DIODE RD16ESB3</td><td></td></cap<>	ACITOR>				D617	8-719-110-46	DIODE RD16ESB3	
C602 ▲ 1-136-360-51	FILM	0.22MF	20%	250V	1	<fus< td=""><td>E></td><td></td></fus<>	E>	
C603 & 1-136-360-51 C604 & 1-161-741-21 C605 & 1-161-741-21 C606 & 1-161-741-21	CERAMIC CERAMIC	0.22MF 0.001MF 0.001MF 0.001MF	20% 10% 10% 10%	250V 400V 400V 400V	1	1-533-189-11 1-532-742-11	FUSE, GLASS TUBE 1.6A/125V HOLDER, FUSE FUSE, GLASS TUBE 1.6A/125V HOLDER, FUSE	
C607 ▲ 1-161-741-21 C608 ▲ 1-161-953-71	CERAMIC	0.001NF 0.0047NF	10% 20%	400V 400V				
C609 A 1-161-953-71 C610 A 1-161-953-71	CERAMIC	0.0047MF 0.0047MF	20% 20%	400V 400V	50001		RITE BEAD>	
C612 & 1-137-484-61 C613 1-137-484-11	FILM FILM	0.0047MF 0.47MF 0.47MF	20% 10% 10%	400V 630V 630V	FB602 FB603 FB604	1-410-396-41 1-410-396-41 1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH FERRITE BEAD INDUCTOR 0.45UH FERRITE BEAD INDUCTOR 0.45UH FERRITE BEAD INDUCTOR 0.45UH	
C614 1-129-720-00 C615 1-136-619-11 C616 1-124-910-11	FILM	0.033MF 0.0016MF 47MF	10% 3% 20%	630V 2KV 35V	FB605	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
C617 1-136-557-11		0.0033MF	10%	630V	1	<10>		
C618 1-126-096-11 C619 1-124-911-11 C620 1-161-754-00 C621 1-125-494-11	ELECT ELECT CERAMIC	10MF 220MF 0.001MF	20% 20% 10% 20%	25V 50V 2KV 160V	10602	8-749-010-47 4-382-854-11	SCREW (M3X10), P, SW (+); IC6 IC STR-S3115 SCREW (M3X10), P, SW (+); IC6	
C622 1-102-038-00 C623 1-126-944-11 C624 1-102-038-00	ELECT CERAMIC	0.001MF 3300MF 0.001MF	20%	500V 25V 500V			IC NJM78M05FA SCREW (M3X10), P, SW (+); IC6 IC TA7805S	03
C625 1-124-557-11 C626 1-102-038-00		1000MF 0.001MF	20%	25V 500V		4-382-854-11	SCREW (M3X10), P, SW (+); IC6	04
C627 1-124-922-11 C628 1-102-038-00		1000MF 0.001MF	20%	50V 500V	1	<ju!< td=""><td>IPER></td><td></td></ju!<>	IPER>	
C629 1-124-922-11 C630 1-124-907-11 C631 1-136-853-11	ELECT Elect	1000MF 10MF 0.56MF	20% 20% 5%	50V 50V 200V	JW609	1-410-679-31	INDUCTOR 270UH (PVM-13	53MD)
C632 1-124-562-11 C633 1-124-122-11	ELECT ELECT	47MF 100MF	20% 20%	160V 50V	i !	<c01< td=""><td></td><td></td></c01<>		
C634 1-124-911-11 C636 1-124-910-11 C1602 1-137-484-11	ELECT	220MF 47MF 0.47MF	20% 20% 10%	50V 50V 630V	L601 L1601 L1602	1-411-215-11 1-410-679-31 1-421-421-00	COIL, CHOKE 200UH INDUCTOR 270UH (PVM-14 COIL, CHOKE	53MD)
<00	NECTOR>				1	<ph0< td=""><td>TO COUPLER></td><td></td></ph0<>	TO COUPLER>	
CN601 1-691-960-11 CN602 *1-695-561-11 CN603 *1-508-765-00	PIN, CONNECT	FOR (PC BOAF	(D) 7P		PH601	8-749-923-50	PHOTO COUPLER PC111YS	
CN604 *1-564-506-11 CN605 *1-573-964-11	PLUG, CONNEC	CTOR 3P			0.00		NSISTOR>	
CN606 *1-564-508-11	PLUG, CONNEC	CTOR 5P			Q601 Q603	8-729-303-61	TRANSISTOR 2SD774-34 TRANSISTOR 2SC3851-G SCREW (M3X10), P, SW (+); Q60	3
<di ode=""></di>						<res< td=""><td>SISTOR></td><td></td></res<>	SISTOR>	
D601 & 8-719-032-39 D602 & 8-719-032-39 D603 & 8-719-032-39 D604 & 8-719-032-39 D605 8-719-971-65	DIODE DSA3A DIODE DSA3A DIODE DSA3A	4-F3 4-F3 4-F3			R601 A	a. 1-202-885-91 1-216-489-11	SOLID 1M 20% 1/2 METAL OXIDE 27K 5% 3W	

R603 1-216-491-11 METAL OXIDE 56K 5% 3W F R604 1-249-418-11 CARBON 680 5% 1/4W R605 1-249-415-11 CARBON 680 5% 1/4W R606 1-249-426-11 CARBON 3.3K 5% 1/4W R608 1-249-426-11 CARBON 5.6K 5% 1/4W R608 1-249-426-11 CARBON 5.6K 5% 1/4W R609 1-249-426-11 CARBON 5.6K 5% 1/4W R610 1-249-421-11 CARBON 5.6K 5% 1/4W R610 1-249-421-11 CARBON 5.6K 5% 1/4W R611 1-249-417-11 CARBON 1.5K 5% 1/4W R612 1-249-404-00 CARBON 82 5% 1/4W R613 1-249-419-11 CARBON 1.5K 5% 1/4W R613 1-249-419-11 CARBON 1.5K 5% 1/4W R613 1-249-419-11 CARBON 1.5K 5% 1/4W R615 1-218-265-11 METAL OXIDE 0.22 5% 1/W FR616 1-216-341-11 METAL OXIDE 0.22 5% 1/W FR618 1-249-443-11 CARBON 0.47 5% 1/W FR619 1-216-341-11 METAL OXIDE 0.22 5% 1/W FR619 1-216-341-11 METAL OXIDE 0.22 5% 1/W FR619 1-216-341-11 METAL OXIDE 0.22 5% 1/W FR620 1-249-443-11 CARBON 0.47 5% 1/4W FR620 1-249-443-11 CARBON 0.47 5% 1/4W FR621 1-215-877-11 METAL OXIDE 0.22 5% 1/W FR622 1-247-700-11 CARBON 100 5% 1/4W FR623 1-249-417-11 CARBON 100 5% 1/4W FR623 1-249-417-11 CARBON 100 5% 1/4W FR621 1-215-877-11 METAL OXIDE 0.22 5% 1/W FR623 1-249-417-11 CARBON 100 5% 1/4W FR621 1-249-85-00 CARBON 100 5% 1/4W FR621 1-249-860-01 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-885-01 TRANSFORMER, LINE FILTER (LFT) T603 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARBON 100 5% 1/4W FR621 1-247-807-31 CARB	R605 1-249-415-11 CARBON 680 5% 1/4W R606 1-207-642-00 WIREWOUND 0.15 10% 3W F R607 1-249-423-11 CARBON 3.3% 5% 1/4W R608 1-249-426-11 CARBON 5.6K 5% 1/4W R609 1-249-426-11 CARBON 5.6K 5% 1/4W R610 1-249-421-11 CARBON 2.2K 5% 1/4W R611 1-249-421-11 CARBON 1K 5% 1/4W R611 1-249-417-11 CARBON 1K 5% 1/4W R612 1-249-404-00 CARBON 82 5% 1/4W R613 1-249-419-11 CARBON 1.5K 5% 1/4W R614 1-249-385-11 CARBON 1.5K 5% 1/4W R615 1-218-265-11 METAL 0XIDE 0.22 5% 1/4W R616 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W F R618 1-249-443-11 CARBON 0.47 5% 1/4W F R619 1-216-341-11 METAL OXIDE 0.22 5% 1/4W F R620 1-249-443-11 CARBON 0.47 5% 1/4W F R621 1-215-877-11 METAL 0XIDE 0.22 5% 1/4W F R622 1-247-700-11 CARBON 0.47 5% 1/4W F R623 1-249-417-11 CARBON 0.47 5% 1/4W F R624 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W F R625 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W F R6264 1-247-895-00 CARBON 100 5% 1/4W R625 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W F R626 1-247-895-00 CARBON 100 5% 1/4W R631 1-247-807-31 CARBON 100 5% 1/4W R631 1-247-807-31 CARBON 100 5% 1/4W R631 1-247-885-11 TRANSFORMER, LINE FILTER (LFT) T601 △ 1-426-716-11 TRANSFORMER, LINE FILTER (LFT) T602 △ 1-426-716-11 TRANSFORMER, LINE FILTER (LFT) T603 1-427-885-11 TRANSFORMER, CONVERTER (SRT) **THERMISTOR> THERMISTOR> THERMISTOR>	REF.NO.	PART NO.	DESCRIPTION				REMAR																																													
R607 1-249-423-11 CARBON 3.3K 5% 1/4W R608 1-249-426-11 CARBON 5.6K 5% 1/4W R609 1-249-426-11 CARBON 5.6K 5% 1/4W R610 1-249-421-11 CARBON 2.2K 5% 1/4W R610 1-249-421-11 CARBON 2.2K 5% 1/4W R611 1-249-417-11 CARBON 1.5K 5% 1/4W R612 1-249-404-00 CARBON 82 5% 1/4W R613 1-249-419-11 CARBON 1.5K 5% 1/4W R614 1-249-385-11 CARBON 1.5K 5% 1/4W FR615 1-218-265-11 METAL 0XIDE 0.22 5% 1/4W FR615 1-218-265-11 METAL 0XIDE 0.22 5% 1/4W FR616 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W FR618 1-249-443-11 CARBON 0.47 5% 1/4W FR619 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W FR619 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W FR620 1-249-443-11 CARBON 0.47 5% 1/4W FR621 1-249-443-11 CARBON 0.47 5% 1/4W FR620 1-249-443-11 CARBON 0.47 5% 1/4W FR621 1-215-877-11 METAL 0XIDE 0.22 5% 1/4W FR621 1-215-877-11 METAL 0XIDE 0.22 5% 1/4W FR623 1-249-417-11 CARBON 1/6 5% 1/4W FR624 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W FR625 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W FR625 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W FR625 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W FR621 1-247-807-31 CARBON 1/6 5% 1/4W R631 1-247-807-31 CARBON 1/	R607 1-249-423-11 CARBON 3.3K 5% 1/4W R608 1-249-426-11 CARBON 5.6K 5% 1/4W R609 1-249-426-11 CARBON 5.6K 5% 1/4W R610 1-249-421-11 CARBON 2.2K 5% 1/4W R611 1-249-417-11 CARBON 1K 5% 1/4W R611 1-249-404-00 CARBON 82 5% 1/4W R613 1-249-419-11 CARBON 1.5K 5% 1/4W R613 1-249-419-11 CARBON 1.5K 5% 1/4W R614 1-249-385-11 CARBON 2.2 5% 1/4W R615 1-218-265-11 METAL 0XIDE 0.22 5% 1/4W R616 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W R617 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W R618 1-249-443-11 CARBON 0.47 5% 1/4W F R619 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W F R620 1-249-443-11 CARBON 0.47 5% 1/4W F R621 1-215-877-11 METAL 0XIDE 0.22 5% 1/4W F R622 1-247-700-11 CARBON 100 5% 1/4W F R623 1-249-417-11 CARBON 100 5% 1/4W R623 1-249-417-11 METAL 0XIDE 0.22 5% 1/4W F R624 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W F R625 1-216-341-11 METAL 0XIDE 0.22 5% 1/4W F R626 1-247-895-00 CARBON 1/4 5% 1/4W R631 1-247-807-31 CARBON 100 5% 1/4W R631 1-247-807-	R604	1-249-418-11	CARBON	1.2K	5% 5% 5%	1/4W	F																																													
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R617 1-216-341-11 METAL OXIDE 0.22 5% 1W F R618 1-249-443-11 CARBON 0.47 5% 1/4W F R619 1-216-341-11 METAL OXIDE 0.22 5% 1W F R620 1-249-443-11 CARBON 0.47 5% 1/4W F R621 1-215-877-11 METAL OXIDE 22K 5% 1W F R622 1-247-700-11 CARBON 100 5% 1/4W R623 1-249-417-11 CARBON 1K 5% 1/4W R624 1-216-341-11 METAL OXIDE 0.22 5% 1W F R625 1-216-341-11 METAL OXIDE 0.22 5% 1W F R626 1-247-895-00 CARBON 470K 5% 1/4W R631 1-247-807-31 CARBON 100 5% 1/4W R631 1-247-807-31 CARBON 100 5% 1/4W R631 1-247-807-31 CARBON 100 5% 1/4W R1602 1-215-869-11 METAL OXIDE 1K 5% 1W F R1603 1-202-846-00 SOLID 470K 20% 1/2W CRELAY CRELAY	R617 1-216-341-11 METAL OXIDE 0.22 5% 1W F R618 1-249-443-11 CARBON 0.47 5% 1/4W F R619 1-216-341-11 METAL OXIDE 0.22 5% 1W F R620 1-249-443-11 CARBON 0.47 5% 1/4W F R621 1-215-877-11 METAL OXIDE 22K 5% 1W F R622 1-247-700-11 CARBON 100 5% 1/4W R623 1-249-417-11 CARBON 1K 5% 1/4W R624 1-216-341-11 METAL OXIDE 0.22 5% 1W F R625 1-216-341-11 METAL OXIDE 0.22 5% 1W F R626 1-247-895-00 CARBON 470K 5% 1/4W R631 1-247-807-31 CARBON 100 5% 1/4W R631 1-247-807-31 CARBON 100 5% 1/4W R631 1-247-807-31 CARBON 100 5% 1/4W R1602 1-215-869-11 METAL OXIDE 1K 5% 1W F R1603 1-202-846-00 SOLID 470K 20% 1/2W <pre></pre>	R612 R613 R614	1-249-404-00 1-249-419-11 1-249-385-11	CARBON CARBON CARBON	82 1.5K 2.2	5% 5%	1/4W 1/4W 1/4W	F																																													
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R1602	R1602	R622 R623 R624	1-247-700-11 1-249-417-11 1-216-341-11	CARBON CARBON METAL OXIDE	100 1K 0.22	5% 5% 5%	1/4W 1/4W 1W	F																																													
RY601& 1-515-738-11 RELAY	CTRANSFORMER CTRA	R631 R1602	1-247-807-31 1-215-869-11	CARBON METAL OXIDE	100 1K	5%	1/4W 1W	F																																													
<pre><transformer> T601 \(\$\text{\$\$\text{\$\e</transformer></pre>	<pre><transformer> T601</transformer></pre>		<rei< td=""><td>.AY></td><td></td><td></td><td></td><td></td></rei<>	.AY>																																																	
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T602 A.1-426-716-11 TRANSFORMER, LINE FILTER (LFT) T603 1-427-885-11 TRANSFORMER, CONVERTER (SRT) <thermistor> THP601A1-808-059-32 THERMISTOR, POSITIVE <varistor></varistor></thermistor>	T602 A.1-426-716-11 TRANSFORMER, LINE FILTER (LFT) T603 1-427-885-11 TRANSFORMER, CONVERTER (SRT) <thermistor> THP601A1-808-059-32 THERMISTOR, POSITIVE <varistor> VDR601A1-809-942-71 VARISTOR</varistor></thermistor>		<tr <="" td=""><td>ANSFORMER></td><td></td><td></td><td></td><td></td></tr> <tr><td>THP601▲1-808-059-32 THERMISTOR, POSITIVE <varistor></varistor></td><td>THP601\(\text{\text{A1-808-059-32}} \) THERMISTOR, POSITIVE <varistor> VDR601\(\text{\text{\text{A1-809-942-71}}} \) VARISTOR</varistor></td><td>T602 ▲</td><td>. 1-426-716-11</td><td>TRANSFORMER.</td><td>LINE F</td><td>ILTER</td><td>(LFT)</td><td></td></tr> <tr><td><varistor></varistor></td><td><varistor> VDR601Δ1-809-942-71 VARISTOR</varistor></td><td></td><td><the< td=""><td>ERMISTOR></td><td></td><td></td><td></td><td></td></the<></td></tr> <tr><td></td><td>VDR601∆1-809-942-71 VARISTOR</td><td>THP6012</td><td>11-808-059-32</td><td>THERMISTOR, P</td><td>OSITIV</td><td>E</td><td></td><td></td></tr> <tr><td>VDR601Δ1-809-942-71 VAR1STOR</td><td></td><td></td><td><vaf< td=""><td>RISTOR></td><td></td><td></td><td></td><td></td></vaf<></td></tr> <tr><td></td><td>***************************************</td><td>VDR6012</td><td>1-809-942-71</td><td>VARISTOR</td><td></td><td></td><td></td><td></td></tr>	ANSFORMER>					THP601▲1-808-059-32 THERMISTOR, POSITIVE <varistor></varistor>	THP601\(\text{\text{A1-808-059-32}} \) THERMISTOR, POSITIVE <varistor> VDR601\(\text{\text{\text{A1-809-942-71}}} \) VARISTOR</varistor>	T602 ▲	. 1-426-716-11	TRANSFORMER.	LINE F	ILTER	(LFT)		<varistor></varistor>	<varistor> VDR601Δ1-809-942-71 VARISTOR</varistor>		<the< td=""><td>ERMISTOR></td><td></td><td></td><td></td><td></td></the<>	ERMISTOR>						VDR601∆1-809-942-71 VARISTOR	THP6012	1 1-808-059-32	THERMISTOR, P	OSITIV	E			VDR601Δ1-809-942-71 VAR1STOR			<vaf< td=""><td>RISTOR></td><td></td><td></td><td></td><td></td></vaf<>	RISTOR>						***************************************	VDR6012	1-809-942-71	VARISTOR				
ANSFORMER>																																																					
THP601▲1-808-059-32 THERMISTOR, POSITIVE <varistor></varistor>	THP601\(\text{\text{A1-808-059-32}} \) THERMISTOR, POSITIVE <varistor> VDR601\(\text{\text{\text{A1-809-942-71}}} \) VARISTOR</varistor>	T602 ▲	. 1-426-716-11	TRANSFORMER.	LINE F	ILTER	(LFT)																																														
<varistor></varistor>	<varistor> VDR601Δ1-809-942-71 VARISTOR</varistor>		<the< td=""><td>ERMISTOR></td><td></td><td></td><td></td><td></td></the<>	ERMISTOR>																																																	
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9-978-399-81

Sony Corporation B & I Systems Company English 95E/24059-1 Printer in Japan (2)1995. 5

shading and mark A are critical for safety.

Replace only with part number specified. 5.00 mg

The components identified by shading and mark Δ are critical une trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF. NO. PART NO.

DESCRIPTION

REMARK | REF. NO. PART NO.

DESCRIPTION

REMARK

<SWITCH>

S601 ▲ 1-692-921-11 SWITCH, PUSH (A.C. POWER)

************************* *A-1390-390-A X BOARD, COMPLETE (PVM-1351Q/1354Q)

<CONNECTOR>

CN108 *1-564-518-11 PLUG, CONNECTOR 3P

<DIODE>

8-719-023-78 DIODE SEL3810DLC05 8-719-023-78 DIODE SEL3810DLC05 8-719-023-78 DIODE SEL3810DLC05 D001 D002 D003 8-719-023-78 DIODE SEL3810DLC05 D004

*A-1390-391-A S BOARD, COMPLETE

<CAPACITOR>

C805	1-102-978-00	CERAMIC	220PF	5%	50V
C806	1-136-165-00	FILM	0.1MF	5%	50V
C807	1-130-477-00	MYLAR	0.0033MF	5%	50V
C810	1-136-165-00	FILM	0.1MF	5%	50V
C811	1-136-165-00	FILM	0.1MF	5%	50V
C812	1-136-175-00	FILM	0.068MF	5%	50V
C813	1-124-907-11	ELECT	10MF	20%	50V
C818	1-136-165-00	FILM	0.1MF	5%	50V

<CONNECTOR>

CN801 *1-565-489-11 CONNECTOR, BOARD TO BOARD 13P

<10>

IC801 8-759-084-09 IC Z8612812PSC

1-410-470-11 INDUCTOR

<COIL>

<RESISTOR> 1-249-435-11 1-249-433-11 1-215-454-00 1-215-461-00 1-249-417-11 R802 CARBON 22K 24K 47K 1/4W 1/4W 1/4W R803 CARBON R804 METAL METAL. RANS CARBON R808 1-249-417-11 1-249-417-11 1-249-423-11 1-249-418-11 1K 1K 3.3K CARBON -5% 5% 5% 5% 5% R812 1/4W 1/4W 1/4W R813 CARBON CARBON R815 1-249-418-11 CARBON R817 CARBON CARBON CARBON R818 R819 R820 1-249-418-11 1-249-418-11 1-249-422-11 1.2K 1.2K 2.7K

10UH

MISCELLANEOUS

▲ 1-426-442-21 COIL. DEMAGNETIZATION ▲ 1-451-329-11 DEFLECTION YOKE (Y14F7A) ▲ 1-532-746-11 FUSE, GLASS TUBE (4.0A/125Y) 1-537-735-11 TERMINAL BOARD ASSY, I/O (A)

(PVM-1351Q/1354Q)

1-537-735-21 TERMINAL BOARD ASSY, I/O (B) (PVM-1350)
5PEAKER
V901 A 8-734-822-05 PICTURE TUBE (M34KBE20X) (PVM-1354Q)
A 8-736-255-05 PICTURE TUBE (A34JHS12X) (PVM-1350/1351Q)

ACCESSORIES AND PACKING MATERIALS **********************

CORD, POWER (7.0A/125V)
CORD, CONNECTION (PVM-1351Q/1354Q)
HOLDER (B), PLUG
MANUAL, INSTRUCTION (PVM-1350)
MANUAL, INSTRUCTION (PVM-1351Q/1354Q) ▲ 1-551-812-11 1-765-268-11 2-990-242-01 3-758-528-21 3-758-531-21 INDIVIDUAL CARTON (PVM-1350) INDIVIDUAL CARTON (PVM-1354Q) INDIVIDUAL CARTON (PVM-1354Q) CUSHION (UPPER) (ASSY) CUSHION (LOWER) (ASSY) *4-043-759-01 *4-043-760-01 *4-043-761-01 *4-043-762-01 *4-043-763-01 4-044-040-01 LABEL, TALLY (PVM-1351Q/1354Q) *4-381-155-01 BAG, PROTECTION